

Rank in U.S. agriculture by selected commodities, 2008

Rank	Item	Unit	Quantity	Percent of U.S.	Leading state
			<i>Thousands</i>	<i>Percent</i>	
1	Beans, dry, black	Cwt	1,691	57.8	Michigan
	Beans, dry, cranberry	Cwt	108	76.6	Michigan
	Beans, dry, small red	Cwt	425	52.1	Michigan
	Blueberries	Pounds	110,000	31.5	Michigan
	Cherries, tart	Pounds	165,000	77.0	Michigan
	Cucumbers (for pickles)	Tons	189.1	33.4	Michigan
	Geraniums (seed and cuttings)	Pots	22,172	36.4	Michigan
	Grapes, Niagara	Tons	22.0	36.4	Michigan
	Hostas	Pots	2,773	27.0	Michigan
	Impatiens	Flats	1,932	22.3	Michigan
	Petunias	Flats	1,476	19.8	Michigan
	Other herbaceous perennials	Pots	21,125	14.6	Michigan
	Squash	Cwt	1,320	19.7	Michigan
2	Beans, dry, all	Cwt	3,607	14.1	North Dakota
	Beans, dry, navy	Cwt	1,162	25.6	North Dakota
	Carrots (fresh market)	Cwt	667	2.7	California
	Celery	Cwt	945	4.7	California
	Hardy/garden Chrysanthemums	Pots	5,632	12.8	North Carolina
	Marigolds	Flats	705	18.2	California
	Vegetable type bedding plants	Flats	696	15.8	California
3	Apples	Pounds	600,000	6.1	Washington
	Asparagus	Cwt	258	27.1	California
	Carrots (processing)	Tons	67.5	16.7	Washington
	Cucumbers (fresh market)	Cwt	759	7.7	Florida
	Sugarbeets	Tons	3,903	14.6	Minnesota
4	Beans, dry, dark red kidney	Cwt	29	2.9	Minnesota
	Beans, dry, light red kidney	Cwt	117	11.4	Nebraska
	Beans, snap (processing)	Tons	54.75	6.8	Wisconsin
	Cherries, sweet	Tons	26.5	10.7	Washington
	Grapes, Concord	Tons	45.8	10.2	Washington
	Plums	Tons	2.3	.6	California
5	Grapes, all	Tons	73.7	1.0	California
	Pumpkins	Cwt	986	9.2	Illinois
6	Maple syrup	Gallons	100	6.1	Vermont
7	Peaches	Tons	14.0	1.0	California
8	Potatoes	Cwt	14,875	3.6	Idaho
9	Milk	Pounds	7,763,000	4.1	California
11	Corn for grain	Bushels	295,320	2.4	Iowa
13	Soybeans	Bushels	69,930	2.4	Iowa
14	Hogs, as of Dec. 1, 2008	Head	1,020	1.5	Iowa
	Wheat, winter	Bushels	48,990	2.6	Kansas
19	Cash receipts	Dollars	6,606,642	2.0	California
23	Hay, all	Tons	2,663	1.8	Texas
30	Cattle, as of Jan. 1, 2009	Head	1,070	1.1	Texas

Number of farms and land in farms by economic sales class, 2004-2008 ¹

Year	Economic sales class					Total	Average size of farm
	\$1,000-\$9,999	\$10,000-\$99,999	\$100,000-\$249,999	\$250,000-\$499,999	\$500,000+		
	<i>1,000 farms</i>	<i>1,000 farms</i>	<i>1,000 farms</i>	<i>1,000 farms</i>	<i>1,000 farms</i>	<i>1,000 farms</i>	
2004	31.4	15.0	3.1	1.9	1.8	53.2	
2005	31.1	15.0	3.2	1.8	1.9	53.0	
2006	31.1	14.8	3.3	1.8	2.0	53.0	
2007	33.1	14.8	3.5	2.1	2.5	56.0	
2008	32.3	14.5	3.6	2.1	2.5	55.0	
	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Million acres</i>	<i>Acres</i>
2004	1.90	2.60	1.60	1.60	2.40	10.10	190
2005	1.90	2.50	1.60	1.60	2.50	10.10	191
2006	1.85	2.40	1.60	1.60	2.65	10.10	191
2007	1.85	2.10	1.35	1.40	3.30	10.00	179
2008	1.80	2.00	1.40	1.40	3.40	10.00	182

¹ USDA estimates of farm number and land in farms are based on the definition "a farm is any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year."

Farm real estate: Values and cash rents, 2005-2009

Year	Farm real estate average value per acre	Cropland		Pasture
		Average value per acre	Average cash rent per acre	Average value per acre
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2005	3,070	2,680	62	1,900
2006	3,370	2,900	65	2,070
2007	3,760	3,280	73	2,450
2008	3,900	3,480	78	2,630
2009	3,750	3,370	83	2,550

Farm Income

Net farm income in 2008 rose 67 percent from last year to a record high \$2.03 billion. That includes \$166 million of government payments. The total agriculture output was \$7.67 billion dollars, up 16 percent from 2007. Production expenses were \$3.74 billion in 2008, up 9 percent from the previous year.

Preliminary cash receipts from 2008 marketings of Michigan crops, livestock and livestock products totaled \$6.61 billion, up 13 percent from 2007. Michigan ranked 19 nationally in total cash receipts.

Crop receipts, at \$4.08 billion, were up 18 percent from 2007. Increases were noted in the market value of field crops and vegetable crops. Livestock cash receipts were up 5 percent from a year earlier to \$2.53 billion.

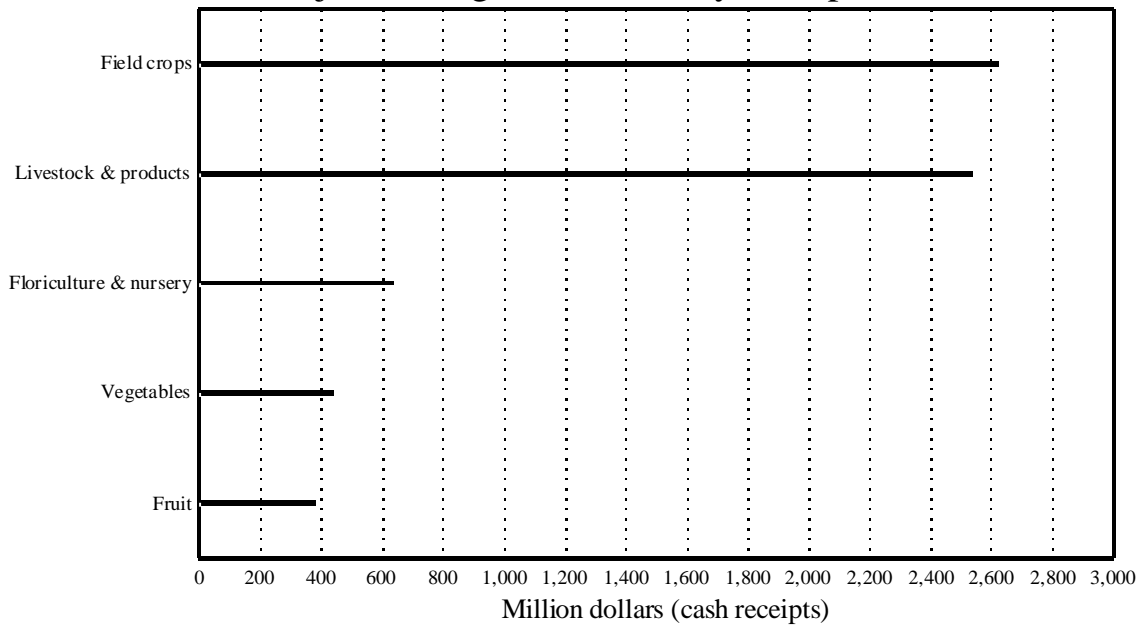
In 2008, the top ten Michigan commodities ranked by cash receipts were milk, corn, soybeans, floriculture and nursery, cattle and calves, poultry and eggs, wheat, hogs, sugarbeets, and potatoes.

Government payments, 2004-2008 ¹

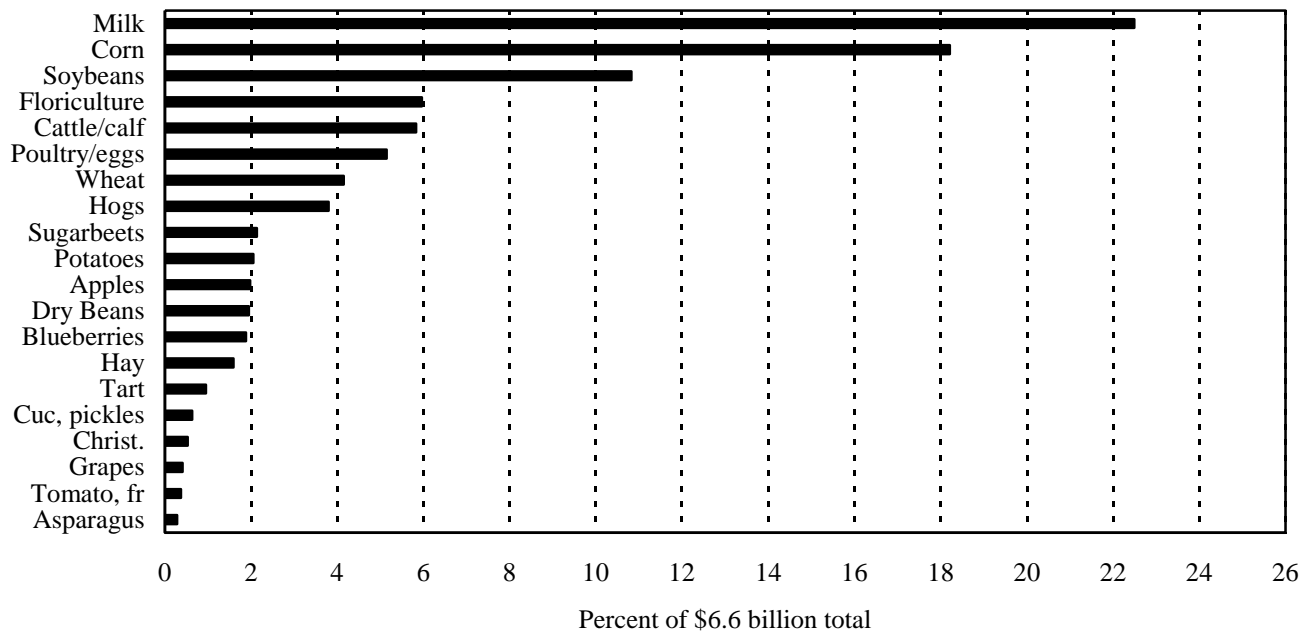
Program	2004	2005	2006	2007	2008
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Conservation programs	32,595	41,846	51,279	45,926	49,047
Production flexibility contract payments	-104	-2	NA	NA	NA
Direct payments	89,513	89,782	85,952	86,970	86,691
Counter-cyclical payments	5,805	70,996	72,304	179	2
Loan deficiency payments	56,370	129,548	15,570	64	13
Miscellaneous programs	2,001	7,100	1,891	-63	47
Ad Hoc and emergency programs	20,729	47,859	1,829	3,300	30,540
Milk income loss payments	8,404	542	18,816	3,868	2
Total	215,313	387,671	247,641	140,244	166,342

¹ Source: U.S. Department of Agriculture, Economic Research Service.

Major Michigan Commodity Groups, 2008



Top 20 Commodities in Cash Receipts, 2008



Value added to the economy by the Michigan agricultural sector 2004-2008 ¹

Item ²	2004	2005	2006	2007	2008
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Value of crop production	2,659.1	2,517.6	2,941.7	3,324.8	4,091.5
Food grains	118.5	117.0	148.6	188.2	275.1
Feed crops	505.2	463.5	664.2	879.5	1,314.8
Oil crops	377.5	433.1	471.8	628.7	716.0
Fruits and tree nuts	292.8	277.2	344.3	419.5	380.8
Vegetables, potatoes, dry beans	437.2	407.0	447.1	487.8	563.3
All other crops	783.5	800.1	854.4	849.3	827.7
Home consumption	4.3	3.8	2.6	1.7	2.1
Value of inventory adjustment ³	140.1	15.8	8.8	-129.9	11.7
Value of livestock production	1,762.5	1,782.7	1,715.4	2,431.0	2,547.6
Meat animals	524.9	512.1	503.8	580.5	640.1
Dairy products	1,027.7	1,035.7	943.0	1,497.2	1,485.7
Poultry and eggs	172.9	132.7	153.8	256.4	339.7
Miscellaneous livestock	53.4	53.0	59.5	66.4	63.4
Home consumption	14.2	12.5	13.9	16.0	19.2
Value of inventory adjustment ³	-30.6	36.8	41.4	14.5	-0.6
Revenues from services and forestry	745.4	813.6	882.6	855.2	1,032.5
Machine hire and custom work	30.7	53.2	31.7	35.5	28.2
Forest products sold	11.9	11.9	11.9	14.0	14.0
Other farm income	197.5	197.2	208.8	191.8	327.5
Gross imputed rental value-farm dwellings	505.3	551.4	630.1	613.9	662.8
Value of agricultural sector production	5,167.0	5,113.9	5,539.7	6,611.0	7,671.6
less: Purchased inputs	2,488.3	2,515.8	2,598.5	3,443.2	3,739.8
Farm origin	782.1	794.3	874.5	1,147.0	1,235.3
Feed purchased	439.4	421.3	512.4	727.3	696.8
Livestock and poultry purchased	53.2	65.9	70.1	73.4	76.6
Seed purchased	289.5	307.1	292.0	346.4	461.9
Manufactured inputs	741.0	768.9	804.8	1,062.7	1,321.7
Fertilizers and lime	286.9	298.1	302.3	448.0	607.3
Pesticides	215.8	195.8	199.7	241.5	279.4
Petroleum fuel and oils	170.8	216.9	242.7	297.5	357.1
Electricity	67.5	58.1	60.1	75.8	77.9
Other purchased inputs	965.2	952.7	919.2	1,233.4	1,182.9
Repair and maintenance of capital items	279.5	258.2	278.1	316.3	349.9
Machine hire and custom work	55.8	75.2	64.0	88.3	86.3
Marketing, storage, and transp. expenses	123.8	146.5	131.8	164.4	160.5
Contract labor	30.5	15.7	16.6	26.4	15.0
Miscellaneous expenses	475.6	457.1	428.7	638.1	571.1
plus: Net government transactions	3.1	156.9	-17.2	-116.3	-89.4
plus: Direct Government payments	215.3	387.7	247.6	140.2	166.3
less: Motor vehicle reg. and licensing fees	7.9	8.4	9.7	10.9	9.3
less: Property taxes	204.3	222.4	255.1	245.6	246.4
Gross value added	2,681.9	2,755.0	2,923.9	3,051.6	3,842.4
less: Capital consumption	675.5	719.9	758.6	784.4	829.4
Net value added	2,006.3	2,035.1	2,165.3	2,267.1	3,013.0
less: Payments to stakeholders	759.7	779.6	854.3	1,052.4	985.5
Employee compensation (total hired labor)	565.5	496.2	519.6	749.6	681.1
Net rent received by nonoperator landlords	4.4	59.8	79.8	33.6	47.6
Real estate and nonreal estate interest	189.8	223.6	255.0	269.3	256.8
Net farm income	1,246.6	1,255.5	1,311.0	1,214.7	2,027.5

¹ Source: U.S. Department of Agriculture, Economic Research Service.

² Value of agricultural sector production is the gross value of the commodities and services produced within a year. Net value-added is the sector's contribution to the National economy and is the sum of the income from production earned by all factors-of-production, regardless of ownership. Net farm income is the farm operator's share of income from the sector's production activities. The concept presented is consistent with that employed by the Organization for Economic Cooperation and Development.

³ A positive value of inventory change represents current-year production not sold by December 31. A negative value is an offset to production from prior years included in current-year sales.

Cash receipts by commodity groups and selected commodities 2004-2008 ¹

Item	2004	2005	2006	2007	2008
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
Total cash receipts	4,293,631	4,231,467	4,590,421	5,853,458	6,606,642
Total livestock and products	1,778,900	1,733,402	1,660,013	2,400,458	2,528,892
Meat animals	524,881	512,088	503,763	580,497	640,101
Cattle and calves	282,708	277,781	294,627	343,331	384,942
Hogs	238,274	229,852	205,669	233,132	250,885
Sheep and lambs	3,899	4,455	3,467	4,034	4,274
Dairy (milk)	1,027,715	1,035,650	942,970	1,497,200	1,485,696
Poultry and eggs	172,896	132,652	153,771	256,397	339,668
Eggs	94,313	61,870	73,097	155,371	211,524
Turkeys	67,988	63,825	69,654	88,210	(²)
Other	10,595	6,957	11,020	12,816	128,144
Miscellaneous livestock	53,408	53,012	59,509	66,364	63,427
Honey	4,965	4,243	4,633	5,484	7,412
Mink pelts	2,045	2,379	3,380	2,565	2,565
Trout	790	793	783	848	1,027
Other	45,608	45,597	50,713	57,467	52,423
Total crops	2,514,731	2,498,065	2,930,408	3,453,000	4,077,750
Field crops	1,180,028	1,233,802	1,539,603	1,970,956	2,622,636
Corn	445,751	371,784	577,864	805,812	1,203,349
Dry beans	60,779	75,979	75,431	97,168	129,060
Hay	55,719	87,008	82,352	69,028	104,932
Soybeans	376,716	432,343	470,922	627,606	714,784
Sugarbeets	90,790	111,387	135,774	125,532	140,508
Wheat	117,925	116,029	147,556	187,545	274,256
Other	32,348	39,272	49,704	58,265	55,747
Vegetables	376,470	331,030	371,636	390,621	434,250
Asparagus	17,468	12,006	14,866	16,092	18,516
Beans, snap	18,660	23,135	17,523	18,465	15,978
Carrots	17,899	18,666	18,249	14,988	17,668
Celery	15,215	10,493	19,920	12,334	14,705
Corn, sweet	13,904	16,000	16,830	14,652	16,991
Cucumbers, fresh	22,274	14,976	16,354	15,358	14,117
Cucumbers, pickles	35,363	26,611	33,492	42,665	41,602
Onions	10,518	8,128	9,073	13,351	11,330
Peppers, green, fresh	13,572	9,016	9,828	12,870	12,000
Potatoes	93,072	94,739	101,184	103,261	135,550
Pumpkins	13,104	9,048	9,405	8,556	15,283
Squash	16,240	16,337	14,459	13,538	12,144
Tomatoes, fresh	26,208	16,720	23,000	24,794	24,570
Tomatoes, processing	8,789	(²)	10,049	10,098	(²)
Other	54,184	55,155	57,404	69,599	83,796
Fruit	292,751	277,214	344,324	419,470	380,815
Apples	96,272	90,298	109,834	128,179	130,555
Blueberries	97,210	83,500	149,655	165,456	124,000
Grapes	13,690	21,518	9,242	28,605	26,794
Peaches	10,274	7,982	13,066	16,298	9,052
Strawberries	4,005	4,878	6,285	5,028	5,846
Sweet cherries	16,311	16,732	15,492	17,709	15,159
Tart cherries	49,861	47,555	34,697	50,905	63,030
Other	5,128	4,751	6,053	7,290	6,379
Miscellaneous crops	17,327	7,117	4,325	4,193	6,518
Floriculture and nursery	648,155	648,902	670,520	667,760	633,531

¹ Source: U.S. Department of Agriculture, Economic Research Service.

² Not published to avoid disclosure of individual operations.

Corn production costs and returns, excluding direct Government payments, 2007-2008

Item	United States		Northern Crescent ¹	
	2007	2008	2007	2008
	<i>Dollars per planted acre</i>	<i>Dollars per planted acre</i>	<i>Dollars per planted acre</i>	<i>Dollars per planted acre</i>
Gross value of production	468.94	629.36	351.9	476.92
Operating costs				
Seed	49.04	60.02	49.4	61.29
Fertilizer ²	93.13	150.19	103.65	170.6
Chemicals	24.38	25.09	21.43	22.25
Custom operations	10.93	10.98	13.59	13.59
Fuel, lube, and electricity	31.58	42.52	31.05	41
Repairs	14.86	15.37	15.1	15.5
Purchased irrigation water	0.13	0.14	0.02	0.02
Interest on operating capital	4.94	2.25	5.16	2.4
Total, operating costs	228.99	306.56	239.4	326.65
Allocated overhead				
Hired labor	2.26	2.37	3.25	3.36
Opportunity cost of unpaid labor	24.34	25.12	34.1	35.26
Capital recovery of machinery and equipment	69.77	75.26	66.83	72.08
Opportunity cost of land (rental rate)	97.21	107.37	81.28	90.98
Taxes and insurance	7.52	8.29	10.23	11.35
General farm overhead	13.88	14.18	18.93	19.43
Total, allocated overhead	214.98	232.59	214.62	232.46
Total, costs listed	443.97	539.15	454.02	559.11
Value of production less total costs listed	24.97	90.21	-102.12	-82.19
Value of production less operating costs	239.95	322.8	112.5	150.27
Supporting information				
Yield (bushels per planted acre)	143	144	108	115
Price (dollars per bushel at harvest)	3.27	4.36	3.23	4.12
Enterprise size (planted acres) ³	250	250	128	128
Production practices ³				
Irrigated (percent)	12	12	5	5
Dryland (percent)	88	88	95	95

¹ Includes NE Minnesota, Wisconsin, Michigan, NE Ohio, Central Maryland, most of Pennsylvania, New Jersey, New York, and New England.

² Includes soil conditioners and manure.

³ Developed from survey base year, 2005.

Soybean production costs and returns, excluding direct Government payments, 2007-2008

Item	United States		Northern Crescent ¹	
	2007	2008	2007	2008
	<i>Dollars per planted acre</i>	<i>Dollars per planted acre</i>	<i>Dollars per planted acre</i>	<i>Dollars per planted acre</i>
Gross value of production	358.74	446.45	342.53	393.8
Operating costs				
Seed	39.77	44.35	41.75	46.55
Fertilizer ²	16.84	30.02	24.08	43.14
Chemicals	14.88	16.3	14.03	15.33
Custom operations	6.51	6.56	8.58	8.58
Fuel, lube, and electricity	15.23	20.14	13.75	17.87
Repairs	12.36	12.91	10.82	11.18
Purchased irrigation water	0.11	0.12	0	0
Interest on operating capital	2.37	2.92	2.53	3.2
Total, operating costs	108.06	133.31	115.54	145.85
Allocated overhead				
Hired labor	2.25	2.6	1.41	1.57
Opportunity cost of unpaid labor	18.8	21.04	20.12	22.43
Capital recovery of machinery and equipment	74.12	82.98	63.8	71.13
Opportunity cost of land (rental rate)	105.17	116.26	85.48	95.31
Taxes and insurance	9.72	10.81	12.03	13.41
General farm overhead	16.27	18.06	20.9	23.31
Total, allocated overhead	226.33	251.75	203.74	227.16
Total, costs listed	334.39	385.07	319.28	373.01
Value of production less total costs listed	24.35	61.38	23.25	20.8
Value of production less operating costs	250.69	313.14	226.99	247.96
Supporting information				
Yield (bushels per planted acre)	45	43	43	38
Price (dollars per bushel at harvest)	7.95	10.48	8.02	10.46
Enterprise size (planted acres) ³	303	303	164	164
Production practices ³				
Irrigated (percent)	9	9	2	2
Dryland (percent)	91	91	98	98

¹ Includes NE Minnesota, Wisconsin, Michigan, NE Ohio, most of Pennsylvania, New Jersey, New York, Central Maryland, and New England.

² Includes soil conditioners and manure.

³ Developed from survey base year, 2006.

Livestock and products: Marketing year average prices received by farmers, 2004-2008

Year	All hogs per cwt	All beef per cwt ¹	Cows per cwt ²	Steers and heifers per cwt	Milk cows per head ³	Calves per cwt	Market eggs per dozen	All milk wholesale per cwt	Turkeys per pound ⁴
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2004	45.90	68.70	50.40	76.60	1,640	109.00	0.562	16.30	0.37
2005	46.70	73.20	52.10	82.20	1,840	132.00	0.346	15.40	0.37
2006	42.00	71.90	49.10	81.60	1,930	134.00	0.366	13.30	0.39
2007	41.10	75.80	49.30	87.00	1,910	118.00	0.726	19.70	0.46
2008	42.50	77.10	52.00	87.80	2,200	99.90	0.956	19.20	

¹ Combined price for "Cows" and "Steers and Heifers."

² Beef cows and cull dairy cows sold for slaughter.

³ Sold for dairy herd replacement only. Prices published January, April, July, and October.

⁴ Data not available after 2007.

Livestock and products: Monthly prices received by farmers, 2008-2009

Month	Beef cattle per cwt ¹	Cows per cwt ²	Steers and heifers per cwt	Milk cows per head ³	Calves per cwt	Market eggs per dozen	All milk wholesale per cwt
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2008							
January	75.60	49.00	87.00	2,200	103.00	1.170	21.80
February	76.80	53.00	87.00		104.00	1.200	20.00
March	76.80	53.00	87.00		103.00	1.290	18.70
April	76.50	52.00	87.00	2,200	103.00	0.800	18.80
May	78.80	55.00	89.00		105.00	0.660	18.70
June	79.80	56.00	90.00		105.00	0.960	19.80
July	81.50	57.00	92.00	2,200	100.00	0.680	20.30
August	81.80	58.00	92.00		102.00	0.820	19.50
September	80.20	55.00	91.00		98.00	0.820	19.20
October	76.20	51.00	87.00	2,150	94.00	0.910	18.50
November	72.60	46.00	84.00		90.00	0.880	18.10
December	68.60	42.00	80.00		84.00	0.880	16.80
2009							
January	70.60	44.00	82.00	1,850	86.00	0.900	15.00
February	68.10	45.00	78.00		88.00	0.620	12.30
March	68.10	45.00	78.00		93.00	0.640	12.00
April	70.10	47.00	80.00	1,550	98.00	0.740	12.50
May	71.40	49.00	81.00		98.00	0.390	12.30
June	69.40	47.00	79.00		93.00	0.370	12.00
July	69.00	48.00	78.00	1,450	91.00	0.510	12.00
August							
September							
October							
November							
December							

¹ Combined price for "Cows" and "Steers and Heifers."

² Beef cows and cull dairy cows sold for slaughter.

³ Sold for dairy herd replacement only. Prices published January, April, July, and October.

Dry edible beans: Percent of sales by month, 2003-2008

Month	2003-04	2004-05	2005-06	2006-07	2007-08
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
September	25	31	23	25	18
October	14	20	29	23	28
November	18	4	6	9	13
December	8	5	6	3	6
January	4	3	5	4	4
February	4	5	3	2	3
March	6	5	3	2	3
April	3	3	1	3	3
May	10	1	2	2	3
June	3	2	7	25	2
July	3	2	1	1	1
August	2	19	14	1	16

Corn: Percent of sales by month, 2003-2008

Month	2003-04	2004-05	2005-06	2006-07	2007-08
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
October	7	11	17	11	14
November	20	21	13	25	16
December	21	12	9	11	9
January	13	11	11	13	11
February	8	7	8	7	7
March	6	5	6	4	6
April	5	4	8	5	8
May	3	5	6	4	5
June	5	7	5	6	7
July	4	6	5	5	7
August	4	6	6	4	4
September	4	5	6	5	6

Hay: Percent of sales by month, 2003-2008

Month	2003-04	2004-05	2005-06	2006-07	2007-08
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
June	13	14	14	14	15
July	12	12	15	15	13
August	11	9	13	13	12
September	8	6	13	13	8
October	7	6	13	13	6
November	8	8	5	5	6
December	8	9	5	5	8
January	8	10	5	5	8
February	8	9	5	5	7
March	7	7	4	4	6
April	6	6	4	4	6
May	4	4	4	4	5

Oats: Percent of sales by month, 2003-2008

Month	2003-04	2004-05	2005-06	2006-07	2007-08
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
July	9	2	26	13	17
August	55	28	40	43	40
September	8	32	3	7	10
October	6	3	2	5	4
November	2	2	2	1	2
December	2	4	3	5	4
January	2	3	5	6	5
February	2	4	7	5	1
March	5	4	6	8	2
April	5	5	3	3	4
May	1	4	1	1	1
June	3	9	2	3	10

Soybeans: Percent of sales by month, 2003-2008

Month	2003-04	2004-05	2005-06	2006-07	2007-08
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
September	3	5	13	4	6
October	40	20	28	24	32
November	7	16	5	19	13
December	11	7	7	7	7
January	11	7	9	11	11
February	6	10	5	7	8
March	6	8	6	5	5
April	4	5	6	4	5
May	2	5	7	5	4
June	3	11	4	7	4
July	5	3	5	4	3
August	2	3	5	3	2

Wheat: Percent of sales by month, 2003-2008

Month	2003-04	2004-05	2005-06	2006-07	2007-08
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
July	42	41	48	53	75
August	33	18	19	16	14
September	5	10	8	7	4
October	3	4	3	7	1
November	3	4	2	1	1
December	3	3	3	2	2
January	5	4	4	4	1
February	3	8	5	2	1
March	3	4	4	3	
April		2	1	2	1
May		1	2	1	
June		1	1	2	

Crops: Marketing year average prices received by farmers, 2004-2008 ¹

Marketing year	Corn per bushel	Winter wheat per bushel	Oats per bushel	Soybeans per bushel	Dry beans per cwt	Navy beans per cwt	Fall potatoes per cwt	All hay per ton	Alfalfa hay per ton
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2004	1.97	3.01	1.72	5.72	22.50	NA	6.95	94.50	97.50
2005	1.88	3.13	1.89	5.73	19.60	NA	7.95	90.00	92.00
2006	3.10	3.41	1.93	6.27	21.10	NA	8.35	94.00	97.00
2007	4.37	5.01	2.91	9.69	31.90	NA	8.45	124.00	127.00
2008	3.60	5.65	3.30	9.20	38.00	NA	10.50	153.00	156.00

¹ Marketing year average prices received by farmers are based on monthly prices weighted by monthly marketings during specific periods. Prices do not include allowance for CCC loans outstanding, purchases by the government, or deficiency payments.

Crops: Monthly prices received by farmers, 2007-2008 marketing years

2007-2008 Marketing years	Corn per bushel	Winter wheat per bushel	Oats per bushel	Soybeans per bushel	Dry beans per cwt	Navy beans per cwt	Fall potatoes per cwt	All hay per ton	Alfalfa hay per ton
	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
2007									
June								97.00	100.00
July		4.74	2.51				9.30	100.00	105.00
August		5.44	2.47				6.70	108.00	110.00
September		6.08	2.81	8.07	26.00	22.90	6.45	115.00	120.00
October	3.19	6.60	2.86	8.24	28.20	27.60	6.45	123.00	130.00
November	3.37	6.42	3.45	8.99	30.80	29.70	8.15	135.00	140.00
December	3.81	6.66	3.13	9.18	33.50	29.30	8.40	137.00	140.00
2008									
January	4.07	5.78	3.53	10.00	30.80	29.80	8.80	142.00	145.00
February	4.67	7.71	3.67	10.90	37.20	33.40	9.40	143.00	145.00
March	4.81	7.39	4.19	11.00	40.00	36.00	9.90	148.00	150.00
April	5.10	5.57	3.98	11.40	42.10	41.00	10.50	160.00	165.00
May	5.45	5.18	4.20	12.00	41.60	39.00	10.80	151.00	155.00
June	5.88	6.25	4.01	13.10	43.00	38.40	(¹)		
July	5.47			13.90	42.50	44.50			
August	5.07			12.40	37.50	37.80			
September	5.02								
2008									
June								158.00	160.00
July		5.90	3.93				(¹)	152.00	155.00
August		6.05	3.52				10.40	153.00	155.00
September		5.50	3.28	10.20	39.40	38.50	9.20	141.00	145.00
October	4.16	4.47	3.39	9.82	37.90	37.10	10.30	152.00	155.00
November	4.04	4.74	3.45	9.02	36.00	34.20	10.10	156.00	160.00
December	3.95	4.34	2.91	9.06	30.90	29.10	10.30	162.00	165.00
2009									
January	4.02	4.98	4.19	9.51	34.40	33.80	10.20	156.00	160.00
February	3.67	4.36	3.54	9.63	31.30	25.20	10.20	152.00	155.00
March	3.67	4.62	2.61	9.09	30.80	24.10	10.00	147.00	150.00
April	3.76	4.48	3.04	9.89	33.90	24.50	11.40	148.00	150.00
May	3.87	4.80	2.69	10.80	34.10	24.70	11.80	162.00	165.00
June	4.01	4.69	3.14	11.60	31.70	27.80	(¹)		
July	3.47			11.00	29.00	25.80			
August									
September									

¹ Insufficient sales to establish a price.

Prices paid by farmers, 2005-2009 ¹

Item	Unit	2005	2006	2007	2008	2009
		<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>
Dairy feed, 16% protein ²	Ton	188	216	241	310	295
Hog concentrate, 38-42% protein ²	Ton	332	342	366	493	473
Soybean meal, 44% protein ²	Cwt	11.9	13.1	14.4	22.1	20.1
Gasoline, unleaded, bulk ²	Gallon	2.21	2.59	2.618	3.267	1.985
Diesel fuel ²	Gallon	1.97	2.29	2.47	3.613	1.688
Tractor, 110-129 hp ³	Each	68,500	70,900	74,000	76,100	77,700
Tractor, 200-280 hp, 4-wd ³	Each	142,000	150,000	154,000	176,000	195,000
Planter, row crop, 8-row ³	Each	31,400	34,100	33,500	38,000	40,200
Grain drill, press, 23-25 openers ³	Each	25,200	25,200	26,100	26,900	32,400
Combine, self-prop. w/ grain head, large cap. ³	Each	192,000	201,000	213,000	230,000	253,000
Ammonium nitrate ⁴	Ton	269	427	364	504	406
Muriate of potash 60-62% K ₂ O ⁴	Ton	242	271	277	562	848
Superphosphate, 44-46% P ₂ O ₅ ⁴	Ton	295	315	409	779	555
Anhydrous ammonia ⁴	Ton	429	543	536	769	787
Atrazine, 4#/gallon ³	Gallon	12.4	12.1	12.2	15.3	20.8
Roundup, 4#/gallon EC ³	Gallon	33.8	29.3	28.9	40.5	42.8
Harness, Surpass, 6.4-7#/gallon EC ³	Gallon	67.6	68.9	69.2	71.7	75.5
Dual, 8#/gallon EC ³	Gallon	108	107	(⁵)	(⁵)	(⁵)
Captan, 50% WP ³	Pound	3.65	3.87	4.59	5.51	6.43
Ziram, 76% WP ³	Pound	2.86	2.88	3.08	3.35	3.94
Guthion, 50% WP ³	Pound	10.8	11.4	11.7	11.6	13.5
Imidan, Prolate, 50% WP ³	Pound	8.32	8.44	9.05	8.92	10.2

EC=Emulsifiable concentrate. WP=Wettable powder.

¹ Regional and U.S. data only.

² Lake States region: Michigan, Minnesota, and Wisconsin.

³ United States.

⁴ North Central region: Illinois, Indiana, Iowa, Michigan, Minnesota, Missouri, Ohio, and Wisconsin.

⁵ Discontinued in 2007.

Farm production expenses, 2004-2008

Item	2004	2005	2006	2007	2008
	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>	<i>Million dollars</i>
Feed purchased	439.4	421.3	512.4	727.3	696.8
Livestock and poultry purchased	53.2	65.9	70.1	73.4	76.6
Seed purchased	289.5	307.1	292	346.4	461.9
Fertilizers and lime	286.9	298.1	302.3	448	607.3
Pesticides	215.8	195.8	199.7	241.5	279.4
Petroleum fuel and oils	170.8	216.9	242.7	297.5	357.1
Electricity	67.5	58.1	60.1	75.8	77.9
Repair and maintenance of capital items	279.5	258.2	278.1	316.3	349.9
Machine hire and custom work	55.8	75.2	64	88.3	86.3
Contract and hired labor expenses	596	511.9	536.1	776	696.1
Marketing, storage, and transportation expenses	123.8	146.5	131.8	164.4	160.5
Capital consumption	675.5	719.9	758.6	784.4	829.4
Real estate and nonreal estate interest	189.8	223.6	255	269.3	256.8
Property taxes	204.3	222.4	255.1	245.6	246.4
Net rent received by nonoperator landlords	4.4	59.8	79.8	33.6	47.6
Miscellaneous expenses	475.6	457.1	428.7	638.1	571.1
Total production expenses	4,127.9	4,237.7	4,466.5	5,525.7	5,801.2

Farm Labor

Hired farm workers: Annual average wage rates, 2004-2008

Year	All hired workers	Field workers	Field and livestock workers
	<i>Dollars per hour</i>	<i>Dollars per hour</i>	<i>Dollars per hour</i>
2004	9.40	8.32	8.65
2005	9.79	8.57	8.89
2006	9.95	9.20	9.22
2007 ¹	10.87	10.12	10.01
2008	10.91	9.91	10.20

¹ Lake States region: Michigan, Minnesota, and Wisconsin.

Agricultural Exports

Michigan ranked twenty-first in agricultural exports for fiscal year 2008. The table below shows the value of agricultural exports by commodity group. The data are calculated annually by commodity based on each State's share of the U.S. agricultural

production. The top five commodity groups accounted for approximately 82 percent of the State's agricultural exports. The total value of agricultural exports produced in Michigan in 2008 was estimated at \$1.7 billion.

Michigan agricultural exports: Fiscal year 2008 ^{1 2}

Commodity	Value	Percent of total	Rank in U.S.
	<i>Million dollars</i>	<i>Percent</i>	<i>Number</i>
Soybeans and products	456.8	27.1	13
Feed grains and products	393.9	23.4	13
Other ³	245.3	14.6	11
Fruits and preparations	145.4	8.6	6
Vegetables and preparations	143.7	8.5	7
Wheat and products	88.6	5.3	34
Live animals and meat, excluding poultry	84.6	5.0	19
Hides and skins	40.7	2.4	13
Feeds and fodders	36.8	2.2	26
Fats, oils, and greases	18.2	1.1	12
Seeds	18.1	1.1	17
Poultry and products	12.0	0.7	27
Total	1,684.2		21

¹ Source: U.S. Department of Agriculture, Economic Research Service, www.ers.usda.gov/data/fatus.

² Based on location of farm where commodity is produced.

³ Sugar and tropical product, minor oilseeds, essential oils, beverages other than juice, nursery and greenhouse, wine, and miscellaneous vegetable products.

Michigan agricultural exports: Top 10 destinations, 2007-2008 ^{1 2}

Country	2007	2008
	<i>Thousand dollars</i>	<i>Thousand dollars</i>
Canada	207,536	295,845
Mexico	26,106	32,527
Japan	6,978	15,613
Austria	10,272	11,667
Italy	3,526	9,521
United Kingdom	5,381	6,259
Netherlands	60	2,982
Romania	0	2,866
Germany	848	2,728
France	426	1,722

¹ Source: U.S. Department of Commerce, International Trade Administration, www.ita.doc.gov.

² Based on location of exporting firm.

Field Crops

Growing Season Weather Summary

Dr. Jeff Andresen, Michigan State University

Weatherwise, the 2008 growing season in Michigan will likely be remembered most for cool temperatures early and for extended dryness during the second half of the season. Prior to the growing season, Michigan had a very snowy winter season with much above normal snowfall totals in many areas. The above normal off season precipitation resulted in complete soil moisture recharge and abnormally wet soils across most of the State prior to the beginning of the season. One notable exception occurred in far northern sections of the state where below normal precipitation totals left soil moisture at below normal levels.

Weather during spring planting in April and May was generally cooler and drier than normal. While the drier than normal conditions generally allowed fieldwork to progress, the cool temperatures slowed germination and early establishment of crops. Widespread frost and freezing temperatures occurred on May 28, with sub-freezing minimum temperatures recorded across the majority of the State. This event was approximately 1 to 3 weeks later than the normal last freezing temperatures of the season and set new record lows for the date in some areas. The freeze was a radiation-type freeze event in which minimum temperatures varied greatly over only short distances. As a result of the wide variability of minimum temperatures, a wide variety of cold injury was reported, with replanting of crops necessary in some areas.

Heavy rain fell in many sections of the state in early and mid-June, with localized flooding and ponding in some cases. Frequent showers were a significant problem with forage harvest. Severe thunderstorms moved across southern sections of the State on July 2, bringing more heavy rain, flooding, and some damaging hail. Warmer than normal temperatures in late June and early July accelerated development of crops following the cool start of the season.

A broad upper air ridge developed across the region by mid-July and persisted through much of August. While mean temperatures remained close to slightly below the long term normals, rainfall in most of the State was well below normal. The drier than normal conditions led to crop moisture stress and ultimately to declines in yield potential across southern, western, and northern sections of the State. The lack of water was likely accentuated by the relatively shallow rooting depths of many crops due to the early wet, cool conditions and was especially pronounced

on lighter, coarse-textured soils. One very notable exception to the drier than normal pattern was an eastern area of the State from the Saginaw Valley through the Thumb, where precipitation was close to normal and in some cases even above normal.

The abnormally dry pattern was broken abruptly in most sections of the State in early September with the passage of the remnants of three separate hurricanes or tropical storms. While hurricanes and their remnants typically move poleward from tropical and subtropical origins at some point in their lifetime, it is somewhat unusual for them to impact Michigan and the Great Lakes region. The first was the remnants of Hurricane Gustav, which initially made landfall in Louisiana and moved through Michigan on September 3 and 4. This system brought over 4 inches of rain to western sections of the Lower Peninsula. Because the rain with this system fell in a steady, moderate intensity over a several hour period, the vast majority of the precipitation soaked into the soil profile. On September 12 to 14, Michigan was impacted by two more tropical systems, the remnants of Tropical Storm Lowell on September 12 and of Hurricane Ike on September 14. Collectively, more than 10 inches of rain fell at some locations across the southwestern Lower Peninsula, leading to flooding and water-logged soils. Unfortunately, the rainfall was generally too late to be of major benefit to crops stressed by earlier dryness.

Overall for the 5-month May through September period, precipitation totals ranged from much below normal levels across northern sections of the State to much above normal levels across southern sections of the Lower Peninsula. Mean temperatures and seasonal growing degree day accumulations were generally near to below the climatological normals. Many crops lagged somewhat behind normal phenologically as a result. Fortunately, the first killing freeze of the fall season was also later than normal over most areas of the state, allowing an extended maturation and drydown period. The exception was the northeastern section of the State where freezing temperatures occurred during the second week of September. While crop yields fell back to normal or below normal levels in many sections of the State due to the extended dryness in July and August, they were much above normal across east central sections of the State where precipitation during the middle of the growing season was much closer to normal.

Field crops: Acres harvested and value of production, 2004-2008

Item	Unit	2004	2005	2006	2007	2008
Acres harvested	1,000 acres	6,372	6,481	6,441	6,459	6,454
Value of production	1,000 dollars	1,644,811	1,684,860	2,281,287	2,790,551	2,844,588

Grain storage capacity, December 1, 2004-2008

Year	Off farm		On farm capacity
	Facilities	Rated capacity	
	<i>Number</i>	<i>Million bushels</i>	<i>Million bushels</i>
2004	215	150	250
2005	215	148	250
2006	211	155	260
2007	210	160	270
2008	205	165	270

Field crops: Record highs and lows

Crop	Unit	Record high		Record low		Year estimates started
		Quantity	Year	Quantity	Year	
Barley						
Harvested acres	1,000 acres	303	1932	10	2008	1866
Yield per acre	Bushels	68.0	1985	13.5	1933	
Production	1,000 bu	8,400	1918	460	2008	
Dry Edible beans						
Harvested acres	1,000 acres	690	1930	130	2001	1909
Yield per acre	Pounds	2,100	1999	320	1917	
Production	1,000 cwt	8,585	1963	780	2001	
Corn for grain						
Harvested acres	1,000 acres	2,800	1981	480	1866	1866
Yield per acre	Bushels	147.0	2006	21.5	1917	
Production	1,000 bu	295,320	2008	15,120	1869	
Corn for silage						
Harvested acres	1,000 acres	498	1971	210	2003	1924
Yield per acre	Tons	18.0	2004	4.7	1930	
Production	1,000 tons	5,565	1977	1,542	1930	
Hay, alfalfa						
Harvested acres	1,000 acres	1,444	1950	74	1919	1919
Yield per acre	Tons	4.2	1993	1.1	1934	
Production	1,000 tons	5,040	1985,1986	118	1919	
Hay, all						
Harvested acres	1,000 acres	2,947	1924	780	1866	1866
Yield per acre	Tons	3.8	1993	0.6	1895	
Production	1,000 tons	5,743	1986	1,014	1866	
Oats						
Harvested acres	1,000 acres	1,658	1918	55	2001,2007	1866
Yield per acre	Bushels	70.0	2003	18.5	1921	
Production	1,000 bu	69,388	1946	3,080	2007	
Potatoes						
Harvested acres	1,000 acres	374.0	1895	36.4	1975	1866
Yield per acre	Cwt	350.0	2007,2008	26.0	1887,1916	
Production	1,000 cwt	23,256	1904	3,557	1876	
Soybeans						
Harvested acres	1,000 acres	2,130	2001	1	1930	1924
Yield per acre	Bushels	46.0	2006	8.0	1927	
Production	1,000 bu	91,540	2006	10	1930	
Spearmint						
Harvested acres	1,000 acres	8.7	1954	0.7	1935	1935
Yield per acre	Pounds	60.0	2006,2007	20.0	1965	
Production	1,000 lbs	280	1948	27	1996	
Sugarbeets						
Harvested acres	1,000 acres	190	1999	48	1943,1953	1909
Yield per acre	Tons	28.7	2008	5.5	1916	
Production	1,000 tons	3,903	2008	298	1943	
Wheat, winter						
Harvested acres	1,000 acres	1,515	1953	400	1987	1909
Yield per acre	Bushels	73.0	2006	10.5	1912	
Production	1,000 bu	48,990	2008	7,350	1912	

Barley

Michigan barley growers planted 12,000 acres and harvested 10,000 acres in 2008. Total production was 460,000 bushels, down 31 percent from 2007. The average yield decreased by 5 bushels to 46 bushels per acre. Barley planting began in April but was behind the five-year average. Cool temperatures in the spring delayed

planting and early development; however, warm and dry conditions later in the growing season advanced crop progress to be in line with normal progress. Harvest began at the end July and was completed by the end of August.

Barley: Acres, yield, production, and value, 2004-2008

Year	Planted	Harvested	Yield	Production	Price ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2004	14	12	51	612	1.80	1,102
2005	15	11	47	517	1.80	931
2006	15	14	49	686	1.80	1,235
2007	14	13	51	663	2.50	1,658
2008	12	10	46	460	3.25	1,495

¹ Marketing year average.

Corn

There were 2.40 million acres planted to corn in 2008, down 250,000 acres from 2007. Grain corn production was 295.3 million bushels, up 3 percent from 2007; 2.14 million acres were harvested for grain. The yield of 138 bushels per acre was up 15 bushels per acre from the 2007 crop. Farmers harvested 250,000 acres of corn for silage; the average yield was 16.5 tons per acre.

Planting of corn in Michigan began in earnest about April 20, slightly behind normal. Field conditions improved in early May; planting progressed rapidly and was virtually complete by June 1, slightly ahead of schedule. Emergence was also ahead of normal; by June 10 almost all corn plants were above ground. Some fields were flooded in west central Michigan, but damage was not extensive. Precipitation in other major corn areas in the spring was near normal. About three-fourths of the crop was rated good to excellent in mid-June. Crop development by August 1 was slightly ahead of normal. Precipitation in July, however, was .5 to 1.5 inches below normal in all districts except the East Central. As a result, over half of topsoil moisture was rated short or very short at the beginning of

August. The Michigan corn crop was about one week ahead of the average stage of development as of September 1. Rainfall in August was 1 to 2 inches below the normal 3 inches in all major corn areas except the East Central (Thumb). This substantially reduced potential yields. About 40 percent of the acreage was rated good or excellent at the outset of September. The harvest of corn for grain began the last week of September, slightly later than normal, and was about 5 percent done October 1. Approximately 70 percent of the acreage had reached maturity, close to the normal progress. The harvest was about half complete by November 1, slightly behind the 5-year average. Combining progressed at the normal rate and was about 95 percent complete by December 1. Yields varied widely. Dry conditions cut yields in parts of southern growing areas while superb yields were realized in the Thumb area.

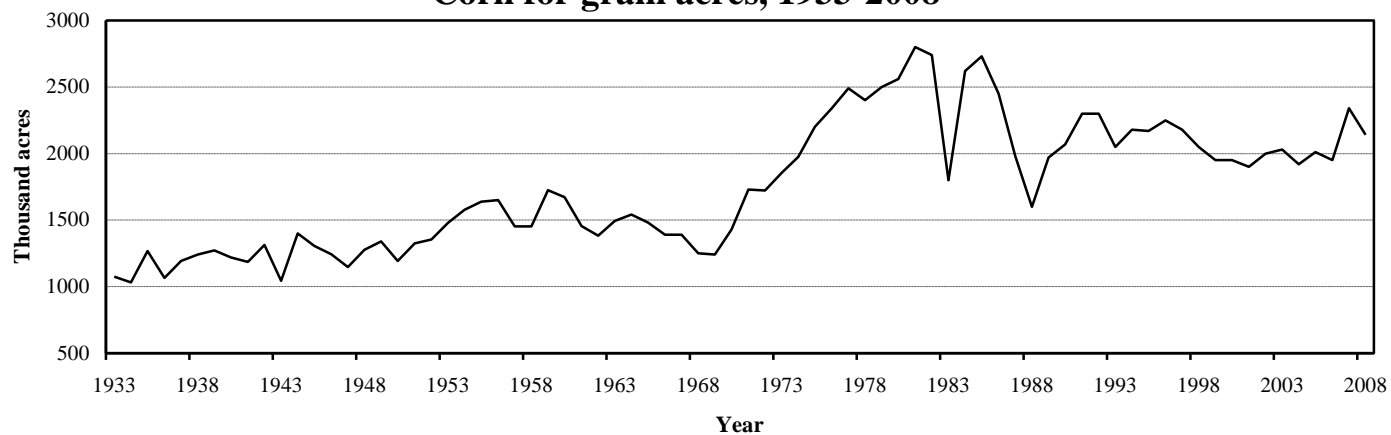
The 2008 corn crop was valued at \$1.06 billion, down 15 percent from 2007. Corn continued to be Michigan's number one crop in value of production. The top three counties in corn production in 2008 were Huron, Sanilac, and Saginaw.

Corn: Acres, yield, production, and value, 2004-2008

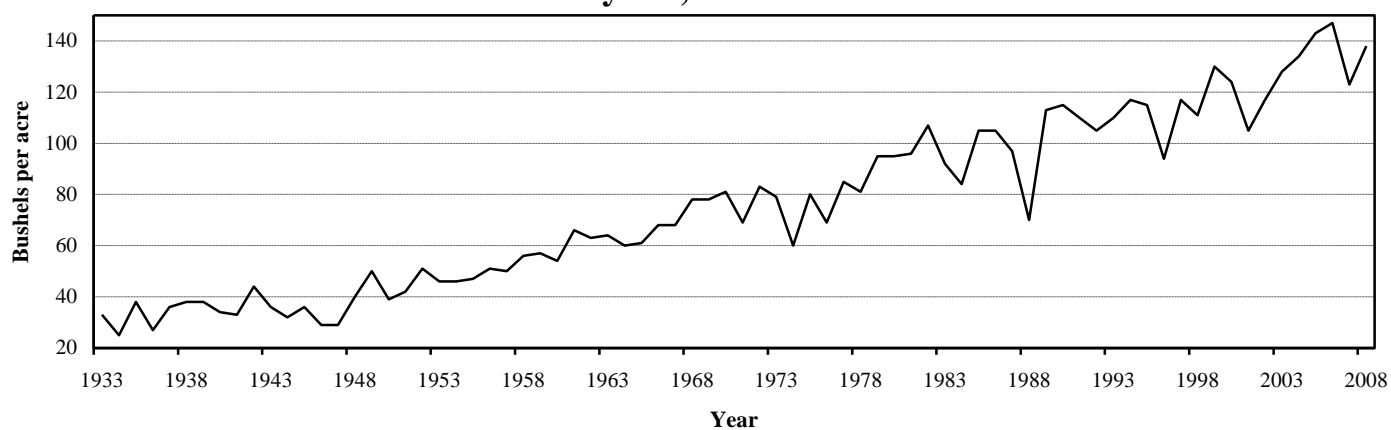
Year	Planted	Harvested	Yield	Production	Price ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
All						
2004	2,200					
2005	2,250					
2006	2,200					
2007	2,650					
2008	2,400					
Grain						
2004		1,920	134	257,280	1.97	506,842
2005		2,010	143	287,430	1.88	540,368
2006		1,950	147	286,650	3.10	888,615
2007		2,340	123	287,820	4.37	1,257,773
2008		2,140	138	295,320	3.60	1,063,152
Silage	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>		
2004		265	18.0	4,770		
2005		230	17.5	4,025		
2006		240	16.5	3,960		
2007		295	14.5	4,278		
2008		250	16.5	4,125		

¹ Marketing year average.

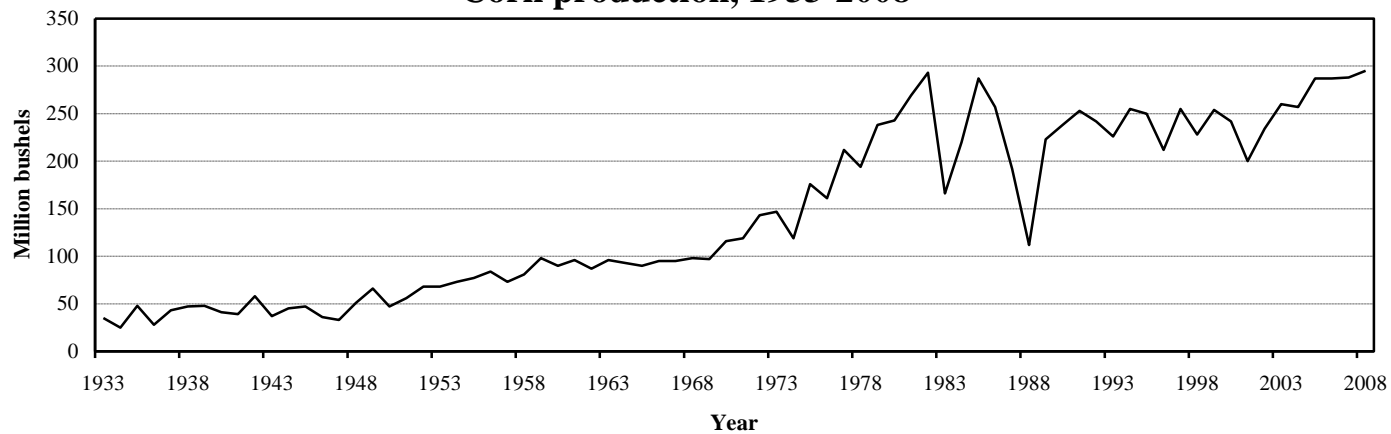
Corn for grain acres, 1933-2008



Corn yield, 1933-2008



Corn production, 1933-2008



Corn for grain: Stocks by quarter, 2004-2008

Crop year	December 1		March 1		June 1		September 1	
	On farm	Off farm	On farm	Off farm	On farm	Off farm	On farm	Off farm
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
2004	140,000	60,600	100,000	48,350	59,000	30,000	23,000	15,900
2005	165,000	71,900	110,000	56,500	65,000	39,000	31,000	15,000
2006	145,000	59,000	88,000	53,400	52,000	32,900	12,500	11,900
2007	140,000	64,500	87,000	53,100	43,000	46,200	14,000	18,900
2008	160,000	62,500	100,000	44,000	60,000	38,100		

Corn: Percentage of acreage planted, 2004-2008

Year	Month and day						
	April		May			June	
	20	30	10	20	30	10	
2004	8	34	61	68	77	90	
2005	17	34	68	87	98	100	
2006	3	31	69	84	93	100	
2007	1	12	48	80	95	100	
2008	1	24	66	87	97	100	
5-year-average	5.9	27.3	62.3	81.1	92.1	98.0	

Corn: Percentage of acreage silked, 2004-2008

Year	Month and day					
	July			August		
	1	10	20	30	10	20
2004	0	1	27	61	74	86
2005	0	7	47	91	97	100
2006	0	6	44	84	95	100
2007	0	14	50	77	94	100
2008	0	1	24	73	95	100
5-year-average	0.0	5.8	38.5	77.2	90.8	97.2

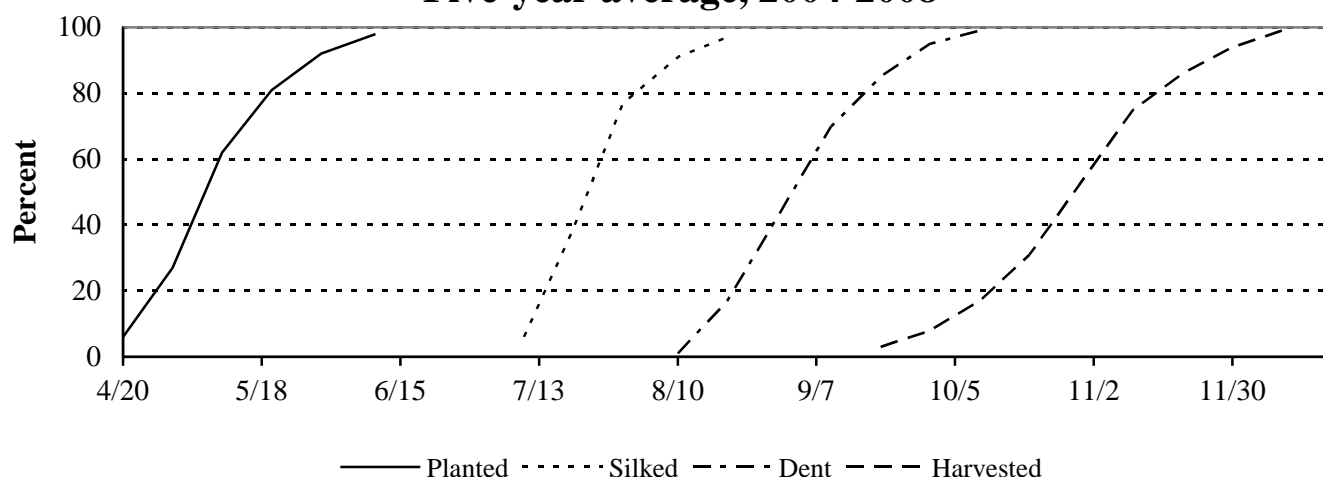
Corn: Percentage of acreage dent stage, 2004-2008

Year	Month and day						
	August			September			October
	10	20	30	10	20	30	10
2004	0	1	11	34	58	82	96
2005	0	20	55	84	97	99	100
2006	1	27	55	84	93	98	100
2007	2	22	45	77	92	100	100
2008	0	13	43	72	87	97	100
5-year-average	0.6	16.8	41.9	70.3	85.3	95.3	99.2

Corn: Percentage of acreage harvested for grain, 2004-2008

Year	Month and day									
	September			October			November			December
	10	20	30	10	20	30	10	20	30	10
2004	0	0	3	13	25	49	68	82	93	100
2005	2	7	14	28	48	75	91	96	99	100
2006	0	2	5	10	20	34	59	71	84	94
2007	0	4	12	23	35	57	81	92	99	100
2008	0	0	4	13	26	45	74	86	95	100
5-year-average	0.5	2.6	7.8	17.3	30.8	51.8	74.6	85.5	93.9	98.5

Corn progress Five-year average, 2004-2008



Dry Edible Beans

Michigan dry bean planting progress in June was slow due to rain. Planting was mostly completed by the end of June with some replanting in early July. Excessive rains continued after emergence, causing abandonment of some fields and lower yield projections in others. Harvest began the first week of September for early planted fields. Harvest slowed during mid-to-late September due to rains, putting harvest behind schedule. More than half of the crop was

harvested in October, and was mostly completed by the end of the month.

Michigan's 2008 total dry bean production was 3.6 million hundredweight (cwt), which represented 14.1 percent of U.S. production. Michigan ranked second in dry bean production for 2008. The number one dry bean producer in the nation was North Dakota with 10.0 million cwt, down 1 percent from last year.

Dry edible beans: Acres, yield, production, and value, 2004-2008

Year	Planted	Harvested	Yield	Production	Price ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 cwt</i>	<i>Dol/cwt</i>	<i>1,000 dollars</i>
2004	190	185	1,700	3,145	22.50	70,763
2005	235	230	1,700	3,910	19.60	76,636
2006	225	215	1,900	4,085	21.10	86,194
2007	200	195	1,600	3,120	31.90	99,528
2008	200	195	1,850	3,607	38.00	137,066

¹ Marketing year average.

Dry edible beans: Acres, yield, and production, by class, 2004-2008

Class and Year	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>1,000 cwt</i>
Black	0	0	0	0
2004				
2005	65,000	64,000	1,770	1,130
2006	91,600	86,600	1,930	1,670
2007	96,500	94,500	1,630	1,540
2008	91,000	89,000	1,900	1,691
Cranberry	91,000	89,000	1,900	1,691
2004				
2005	10,500	9,500	1,470	140
2006	8,000	7,900	1,460	115
2007	6,900	6,800	1,290	88
2008	7,200	7,000	1,540	108
Great Northern	7,200	7,000	1,540	108
2004				
2005	2,000	1,800	1,660	30
2006	500	500	2,000	10
2007 ¹	0	0	0	0
2008 ¹	0	0	0	0
Navy	0	0	0	0
2004				
2005	75,500	74,500	1,760	1,310
2006	80,000	77,500	1,960	1,520
2007	61,000	59,500	1,660	990
2008	62,000	60,500	1,920	1,162
Pinto	62,000	60,500	1,920	1,162
2004				
2005	18,000	17,500	1,600	280
2006	5,000	4,900	1,900	93
2007	4,000	3,900	1,490	58
2008	1,800	1,700	1,880	32
Red kidney, dark	1,800	1,700	1,880	32
2004				
2005	8,000	7,700	1,430	110
2006	4,000	3,600	1,170	42
2007	2,300	2,000	900	18
2008	2,500	2,400	1,210	29
Red kidney, light	2,500	2,400	1,210	29
2004				
2005	17,000	16,800	1,430	240
2006	11,300	10,300	1,700	175
2007	8,600	8,400	1,180	99
2008	9,500	9,300	1,260	117
Small, red	9,500	9,300	1,260	117
2004				
2005	31,000	30,500	1,770	540
2006	20,000	19,500	2,000	390
2007	16,000	15,500	1,630	253
2008	22,400	21,800	1,950	425
Other	22,400	21,800	1,950	425
2004				
2005	8,000	7,700	1,690	130
2006	4,600	4,200	1,670	70
2007	4,700	4,400	1,680	74
2008	3,600	3,300	1,300	43

¹ Included in Other class.

Hay and Haylage

Michigan hay production was estimated at 2.63 million tons, up from 2.43 in 2007. Alfalfa and alfalfa mixtures accounted for 85 percent of all dry hay produced. All hay harvested acres were estimated at 1.02 million, down from 1.05 million in 2007. The average all hay yield was 2.58 tons per acre, up from 2.31 the previous year. During the summer, dry conditions were good for harvest of alfalfa but poor for regrowth. Humidity made harvest difficult in some areas. Some areas had good cutting conditions with favorable weather but the light drought in other regions slowed

development. At the beginning of September, farmers stated that regrowth had been slow around the State and the third cutting was short. By the end of September, one-fourth of the hay crop had completed a fourth cutting while others doubted a fourth cutting was likely. Alfalfa accounted for 770,000 acres of the total harvested with a yield of 2.9 tons per acre. Other hay accounted for 250,000 acres with a yield of 1.6 tons per acre. Value of the hay crop was \$402 million, up 34 percent from 2007.

Hay, haylage, and greenchop: Acres, yield, production, and value, 2004-2008

Year	Planted	Harvested	Yield	Production	Price ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
All dry hay						
2004		1,100	2.90	5,895	94.50	296,238
2005		1,150	2.63	3,020	90.00	269,340
2006		1,120	2.87	3,212	94.00	300,404
2007		1,050	2.31	2,429	124.00	299,411
2008		1,020	2.58	2,633	153.00	401,948
Alfalfa hay						
2004		850	3.10	2,635	97.50	256,913
2005		900	2.80	2,520	92.00	231,840
2006		810	3.20	2,592	97.00	251,424
2007		770	2.50	1,925	127.00	244,475
2008		770	2.90	2,233	156.00	348,348
Alfalfa seedings						
2004	135					
2005	135					
2006	120					
2007	100					
2008	115					
Other hay						
2004		250	2.20	550	71.50	39,325
2005		250	2.00	500	75.00	37,500
2006		310	2.00	620	79.00	48,980
2007		280	1.80	504	109.00	54,936
2008		250	1.60	400	134.00	53,600
All haylage and greenchop						
2004		335	6.03	2,020	0.00	0
2005		320	6.50	2,080	0.00	0
2006		300	6.64	1,992	0.00	0
2007		270	6.70	1,810	0.00	0
2008		285	6.24	1,778	0.00	0
Alfalfa haylage and greenchop						
2004		310	6.20	1,922	0.00	0
2005		300	6.70	2,010	0.00	0
2006		280	6.90	1,932	0.00	0
2007		250	7.00	1,750	0.00	0
2008		270	6.40	1,728	0.00	0

¹ Marketing year average.

Hay: Stocks on farms, 2005-2009

Year	May 1	December 1
	<i>1,000 tons</i>	<i>1,000 tons</i>
2005	500	1,852
2006	395	2,385
2007	350	1,700
2008	320	1,998
2009	450	(¹)

¹ Published in January 2010.

Maple Syrup

Michigan maple syrup production was estimated at 115,000 gallons for the 2008 season. That was the highest since 1947 and 10 percent above 2008 production. Cool nights and warm days provided optimal tapping conditions. The length of the season was 25 days, compared to 23 days in 2008. Producers indicated that 56 percent of the syrup was medium in color. Michigan was ranked

fifth in maple syrup production in 2009 and produced 5 percent of the total U.S. production. Total taps were 450,000, and the syrup yield was 0.256 gallons per tap. The average price per gallon sold for 2008 production was \$41.00, and the value of production was \$4.305 million, up from \$2.704 million in 2007.

Maple syrup: Taps, yield, production, price, and value, 2005-2009

Year	Taps	Yield per tap	Production	Price per gallon	Value of production
	<i>1,000</i>	<i>Gallons</i>	<i>1,000 gallons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2005	390	0.149	58	36.00	2,088
2006	375	0.208	78	37.00	2,886
2007	400	0.150	65	41.60	2,704
2008	405	0.247	105	41.00	4,305
2009			115	(¹)	(¹)

¹ Published in June 2010.

Mint

Mint: Acres, yield, production, and value, 2004-2008

Year	Harvested	Yield	Production	Price per pound ¹	Value of production
	<i>1,000 acres</i>	<i>Pounds</i>	<i>1,000 Pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Peppermint					
2004	1.0	45	45	10.90	491
2005	1.0	35	35	12.00	420
2006	0.7	50	35	13.50	473
2007	0.7	40	28	14.40	403
2008	0.8	45	36	28.00	1,008
Spearmint					
2004	1.6	45	72	9.30	670
2005	1.6	35	56	9.50	532
2006	1.6	60	96	10.00	960
2007	1.5	60	90	12.00	1,080
2008	1.5	60	90	15.00	1,350

¹ Marketing year average.

Oats

There was an increase in oat acreage for the State in 2008. Growers planted 75,000 acres of oats in 2008, compared with 70,000 the previous year. Harvested acres, at 60,000, were also up 5,000 from last year. The 2008 oat production was 3.96 million bushels, up 29 percent from the previous year. Yield, at 66 bushels per acre, was up 10 bushels from 2007.

Planting of oats progressed on schedule with some emergence by the middle of May. The crop looked good and developed well during the summer. Disease and insect pressure remained low, and

three fourths of the crop was headed by the end of June. Oats were turning color quickly with harvest just beginning in select areas by July 20. Harvest was in full swing at the beginning of August and was essentially completed by early September. For 2008, Presque Isle County was ranked first in oat production, while Sanilac, Shiawassee, Grand Traverse, Isabella, and Ogemaw rounded out the top five counties.

Oats: Acres, yield, production, and value, 2004-2008

Year	Planted	Harvested	Yield	Production	Price ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2004	80	65	68	4,420	1.72	7,602
2005	90	75	61	4,575	1.89	8,647
2006	80	65	62	4,030	1.93	7,778
2007	70	55	56	3,080	2.91	8,963
2008	75	60	66	3,960	3.30	13,068

¹ Marketing year average.

Potatoes

Michigan's 2008 potato production was 14.88 million hundredweight (cwt) up slightly from 14.70 million in 2007. Planted acres were 43,000 and harvested acres were 42,500. The State's average yield tied the record high of 350 cwt per acre set in 2007. Potato planting conditions were good this year with planting mostly completed by June 8, 2008. The growing season was also good with little disease and insect pressures. Some potato fields matured earlier than normal and early potatoes appeared in farmer's markets in early July. Excessive rains in October meant some potatoes went

into storage with higher moisture levels than normal, but cooler temperatures during the early storage season reduced this impact. Harvest was mostly finished by early November.

For 2008, Michigan again ranked eighth among States for potato production. Most Michigan potatoes are whites, which comprised approximately 87 percent of planted acreage, followed by 11 percent russets, 1 percent reds, and 1 percent yellow. Whites are processed for potato chips or sold for table use, while russets are used for french fries and other frozen products.

Fall potatoes: Acres, yield, production, and value, 2004-2008

Year	Planted	Harvested	Yield	Production	Price ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2004	43.0	42.0	325	13,650	6.95	94,868
2005	43.0	42.8	325	13,910	7.95	110,585
2006	43.5	43.0	330	14,190	8.35	118,487
2007	42.5	42.0	350	14,700	8.45	124,215
2008	43.0	42.5	350	14,875	10.50	156,188

¹ Marketing year average.

Fall potatoes: Stocks by type as percent of total stocks, December 1, 2004-2008

Type	2004	2005	2006	2007	2008
	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>	<i>Percent</i>
White	89	87	87	86	87
Russet	10	12	12	12	11
Red	1	1	1	1	1
Yellow ¹	0	0	0	1	1

¹ Estimates began in 2007.

Fall potatoes: Production and disposition, 2004-2008

Crop year	Production	Total used for seed	Farm Disposition		Sold
			Seed, feed, and home use	Shrinkage and loss	
	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>
2004	13,650	860	194	1,656	11,800
2005	13,910	1,044	182	1,728	12,000
2006	14,190	961	180	1,800	12,210
2007	14,700	1,046	185	1,815	12,700
2008	14,875	¹ 0	¹ 0	¹ 0	¹ 0

¹ Published in September 2009

Fall potatoes: Stocks, 2004-2008

Crop year	December 1	January 1	February 1	March 1	April 1	May 1
	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>	<i>1,000 cwt</i>
2004	8,000	6,300	4,800	3,600	2,200	900
2005	7,900	6,200	4,500	3,100	1,700	500
2006	8,100	6,300	4,600	3,300	1,800	700
2007	8,800	7,000	5,300	3,700	2,100	800
2008	8,300	6,500	5,000	3,500	1,900	700

Soybeans

Michigan soybean production totaled 69.9 million bushels, down 2 percent from 2007. The yield was 37 bushels per acre in 2008, which was the lowest yield of the previous five years. Planted acres increased by 100,000 acres from last year. Harvested acres increased accordingly to 1.89 million. Soybean prices fell by 5 percent from 2007. A cool spring led to a slow start to the soybean planting season. A small amount of soybeans were planted in late April and early May. Planting hastened in May, and progressed faster than the five-year average. Emergence concluded around the middle of June, also ahead of the average. Plant condition and

development varied by region into July, while some fields remained damp. Into August, the crop was generally in need of rain and some yellowing was reported, but progress was still slightly ahead of the five-year average. Heavy rains passed through the State at the beginning of September causing localized flooding. Harvest began in middle to late September and continued at an average pace though the middle of October when ideal harvest conditions allowed for harvest to move along rapidly. Harvest wrapped up in early to middle November.

Soybeans: Acres, yield, production, and value, 2004-2008

Year	Planted	Harvested	Yield	Production	Price ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2004	2,000	1,980	38.0	75,240	5.72	430,373
2005	2,000	1,990	38.5	76,615	5.73	439,004
2006	2,000	1,990	46.0	91,540	6.27	573,956
2007	1,800	1,790	40.0	71,600	9.69	693,804
2008	1,900	1,890	37.0	69,930	9.20	643,356

¹ Marketing year average.

Soybeans: Stocks by quarter, 2004-2008

Crop year	December 1		March 1		June 1		September 1	
	On farm	Off farm	On farm	Off farm	On farm	Off farm	On farm	Off farm
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
2004	35,000	21,960	22,000	10,890	7,600	6,530	2,500	2,460
2005	33,000	22,600	22,000	14,600	11,500	6,850	5,000	3,300
2006	38,000	22,700	26,000	18,500	12,000	12,150	3,100	7,800
2007	26,000	29,000	17,000	23,900	3,500	12,200	2,500	4,580
2008	28,000	24,200	15,500	14,100	5,100	8,650		

Soybeans: Percentage of acreage planted, 2004-2008

Year	Month and day							
	May			June			July	
	10	20	30	10	20	30	10	
2004	24	35	45	72	87	97	100	
2005	34	69	90	98	100	100	100	
2006	37	56	73	90	99	100	100	
2007	14	36	76	96	100	100	100	
2008	29	59	87	96	100	100	100	
5-year-average	27.6	50.9	74.1	90.5	97.1	99.4	100.0	

Soybeans: Percentage of acreage setting pods, 2004-2008

Year	Month and day						
	July			August			
	10	20	30	10	20	30	
2004	0	7	23	49	76	88	
2005	3	22	55	83	97	100	
2006	3	22	42	74	93	99	
2007	4	22	48	75	97	100	
2008	0	6	42	77	95	100	
5-year-average	1.9	15.7	42.0	66.1	88.8	96.6	

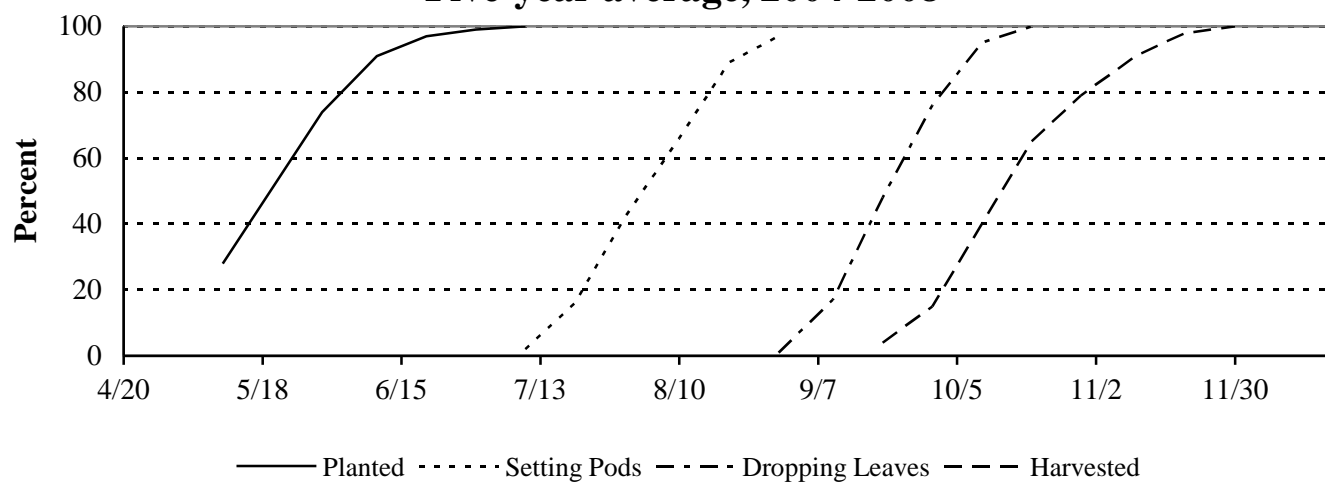
Soybeans: Percentage of acreage shedding leaves, 2004-2008

Year	Month and day						
	August		September			October	
	20	30	10	20	30	10	20
2004	0	0	4	18	52	91	96
2005	0	3	37	82	95	100	100
2006	0	1	15	44	75	90	99
2007	0	1	10	42	76	98	100
2008	0	2	18	54	84	96	100
5-year-average	0.0	1.3	16.9	48.0	76.3	95.0	99.9

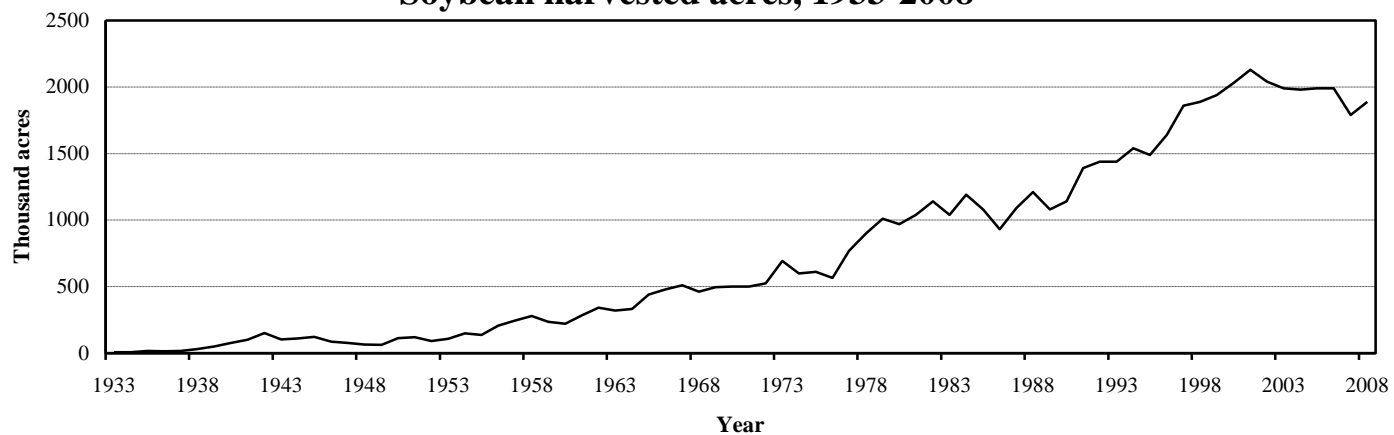
Soybeans: Percentage of acreage harvested, 2004-2008

Year	Month and day								
	September			October			November		
	10	20	30	10	20	30	10	20	30
2004	0	1	11	40	58	69	81	96	100
2005	0	11	33	69	87	93	99	100	100
2006	0	4	7	23	42	60	84	93	98
2007	0	1	10	33	60	81	96	100	100
2008	0	2	12	36	76	91	97	100	100
5-year-average	0.0	3.7	14.5	40.3	64.5	78.9	91.4	97.6	99.7

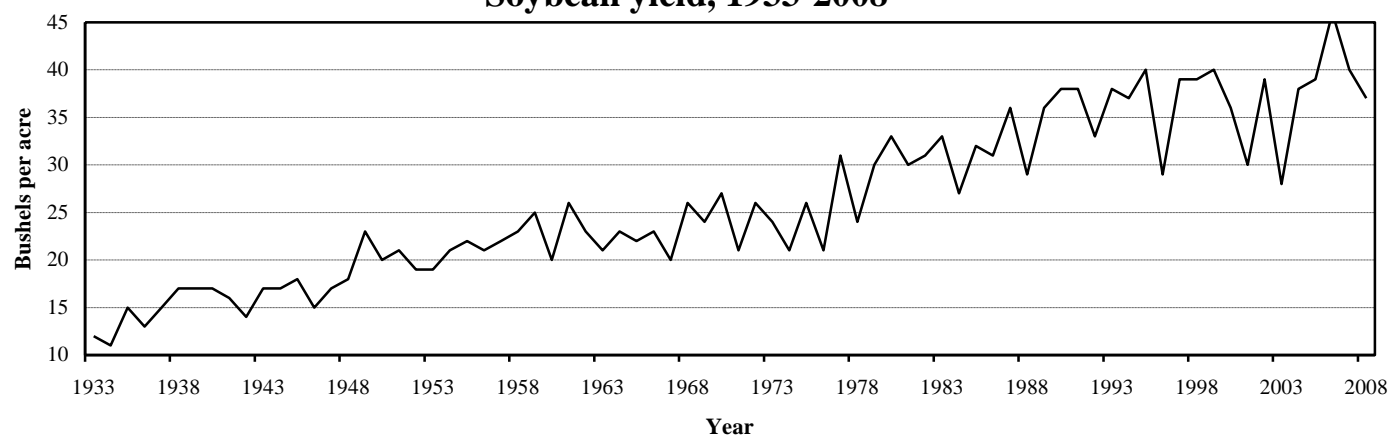
Soybean progress Five-year average, 2004-2008



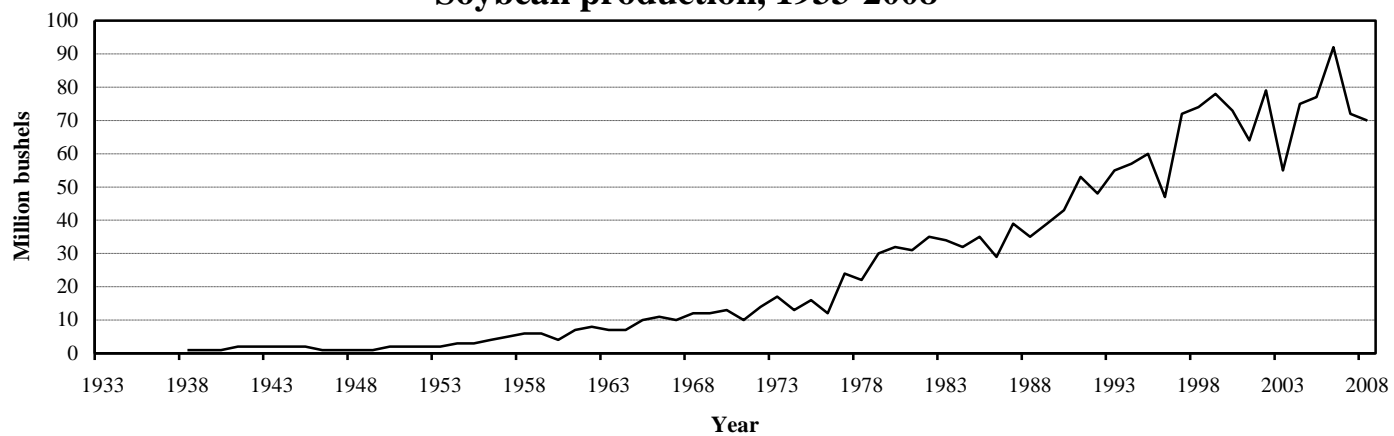
Soybean harvested acres, 1933-2008



Soybean yield, 1933-2008



Soybean production, 1933-2008



Sugarbeets

Acres planted to sugarbeets were estimated at 137,000 in 2008, down 13,000 acres from the previous year. Harvested acreage was estimated at 136,000, down from 149,000 in 2007. The yield set a new record with 28.7 tons per acre. The previous record high was 23.4 set in 2007. Even though harvested acres were down, the record yield helped increase production to a total of 3.90 million tons, up 12 percent from 2007. Planting was complete by mid-May.

The sugarbeet crop development was good with little disease and weed pressure. Precipitation levels were ideal for the sugarbeet crop during the critical growing periods, leading to the record yield. Harvest started out slow due to rains, but proceeded to near normal by the end of the season. Piling began towards the end of October and harvest was finished by mid November.

Sugarbeets: Acres, yield, production, and value, 2004-2008

Year	Planted	Harvested	Yield	Production	Price ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Tons</i>	<i>1,000 tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2004	165	163	21.1	3,439	26.40	90,790
2005	154	152	21.3	3,238	34.40	111,387
2006	155	154	23.2	3,573	38.00	135,774
2007	150	149	23.4	3,487	36.00	125,532
2008	137	136	28.7	3,903	(²)	(²)

¹ Marketing year average.

² Published in February 2010.

Wheat

Michigan's 2008 winter wheat crop set a new record high at 48.99 million bushels. Planted acres increased to 730,000 acres from 550,000 the previous year. Harvested acreage was up 34 percent from last year, at 710,000 acres. The average yield, at 69 bushels per acre, was up 6 percent from last year. The value of the crop increased 60 percent to \$277 million. Huron, Sanilac, Lenawee, Tuscola, and Saginaw were the top five counties in wheat production.

Plantings of winter wheat began the second week of September. Varying weather conditions early in the growing season slightly impeded the progress of the crop, which consistently remained behind the five-year average. However, crop progress

improved beginning in June and was comparable to the five-year average. There were a few reports of head scab, fusarium head blight and powdery mildew throughout the growing season. Overall, the crop was of good to excellent quality. By the middle of June, heading and flowering were nearly completed in many areas. The crop turned yellow by the middle of July, on par with normal.

Harvest began in the middle of July and was completed by the second week of August. Warm temperatures and low moisture levels were conducive for harvesting the crop.

Wheat: Acres, yield, production, and value, 2004-2008

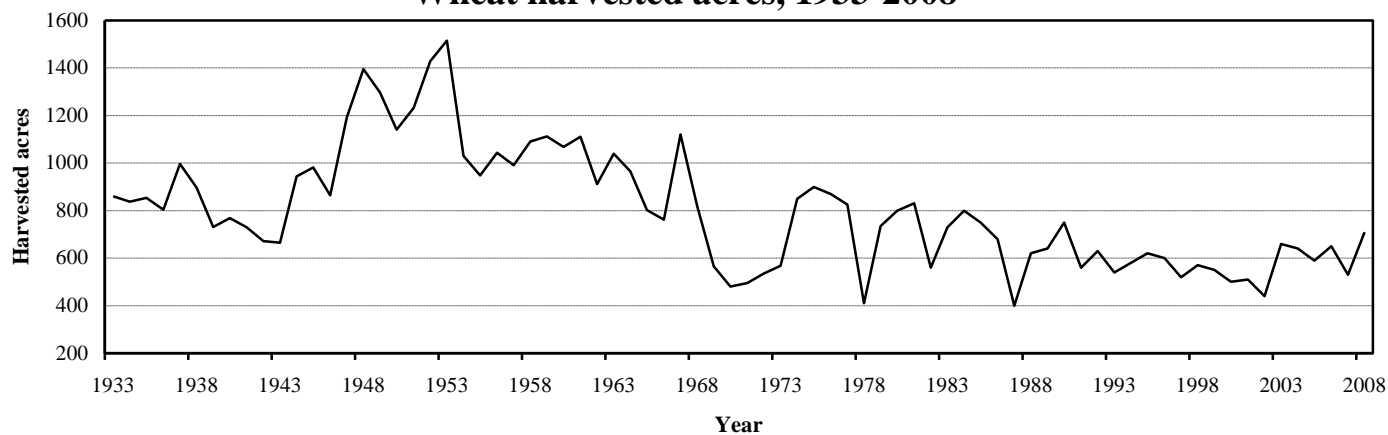
Year	Planted	Harvested	Yield	Production	Price ¹	Value of production
	<i>1,000 acres</i>	<i>1,000 acres</i>	<i>Bushels</i>	<i>1,000 bushels</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2004	660	640	64	40,960	3.01	123,290
2005	600	590	66	38,940	3.13	121,882
2006	660	650	73	47,450	3.41	161,805
2007	550	530	65	34,450	5.01	172,595
2008	730	710	69	48,990	5.65	276,794

¹ Marketing year average.

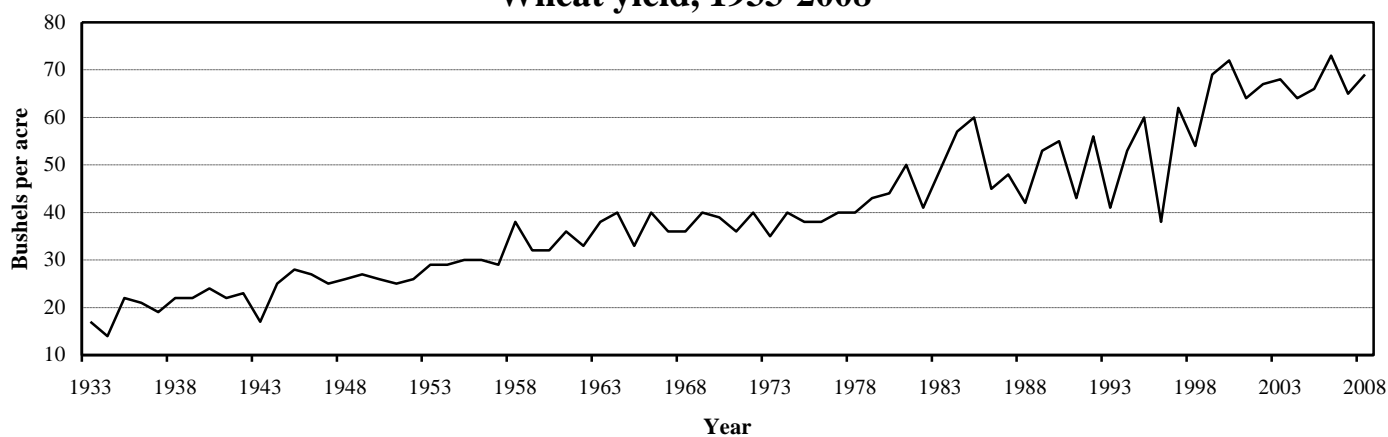
Wheat: Stocks by quarter, 2004-2008

Crop year	September 1		December 1		March 1		June 1	
	On farm	Off farm	On farm	Off farm	On farm	Off farm	On farm	Off farm
	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>	<i>1,000 bushels</i>
2004	7,800	28,430	3,500	24,350	2,900	19,160	800	14,770
2005	6,900	28,450	3,600	23,700	1,300	17,800	600	10,550
2006	7,500	33,200	3,800	25,975	1,400	18,400	300	12,250
2007	2,600	30,400	2,400	21,600	300	14,230	70	7,670
2008	6,200	30,350	2,600	26,800	1,900	21,600	850	16,700

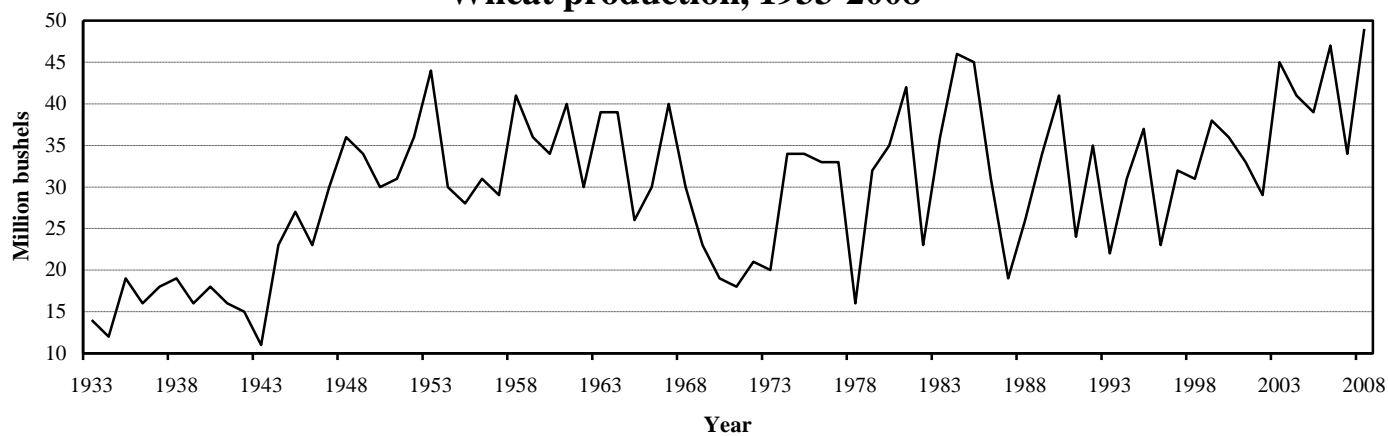
Wheat harvested acres, 1933-2008



Wheat yield, 1933-2008



Wheat production, 1933-2008



Fruit

Michigan apple production was 560 million pounds, down from 770 million pounds in 2007. The farm level value of the utilized crop was \$121.0 million. Michigan ranked third in U.S. apple production behind Washington and New York, which produced 6.10 billion pounds and 1.23 billion pounds, respectively.

Tart cherry production was 165 million pounds, down 16 percent from the 196 million pounds produced in 2007. The average yield was 6,370 pounds per acre. The farm level value was \$64.8 million. Sweet cherry production was 26,500 tons, down from 27,300 tons produced in 2007. The average yield was 3.68 tons per acre. The farm level value was \$15.2 million.

Cultivated blueberry production in Michigan was 110 million pounds, approximately 32 percent of the U.S. total. Growers harvested 18,600 acres in 2008. The farm level value was \$124

million. Strawberry production in Michigan was 4.9 million pounds on 800 harvested acres. The farm level value was \$5.8 million.

Michigan peach production was 28.0 million pounds, down from 41 million pounds in 2007. Total bearing acres were 4,300, and the farm level value was \$9.1 million. Pear production in Michigan was 2,850 tons on 800 acres. The farm level value was \$1.2 million. Michigan plum production was 2,300 tons on 650 acres. The farm level value was \$821,000.

Michigan grape production was 73,700 tons. The farm level value was \$26.8 million. There were 45,800 tons of Concords and 22,000 tons of Niagara grapes processed. There were 2,700 tons of vinifera, 2,100 tons of hybrids, and 500 tons of other varieties processed for wine. Prices for vinifera varieties averaged \$1,380 per ton, hybrids \$610 per ton, and other varieties \$240 per ton.

Fruit: Record highs and lows

Crop	Unit	Record high		Record low		Year estimates started
		Quantity	Year	Quantity	Year	
Apples	Million pounds	1,220	1995	53	1945	1889
Blueberries	Million pounds	110	2008	12	1977	1992
Cherries, sweet	Tons	37,500	1978	500	1945	1925
Cherries, tart	Million pounds	380	1964	15	2002	1925
Grapes	Tons	102,700	2005	4,200	1889	1889
Peaches	Million pounds	255	1945,1946	7.4	1918	1889
Pears	Tons	48,600	1964	1,400	2002	1889
Plums	Tons	25,000	1971	250	2002	1919
Strawberries	1,000 cwt	451	1940	41	2004	1928

Fruit: Acres harvested and value of production, 2004-2008

Item	Unit	2004	2005	2006	2007	2008
Acres harvested	1,000 acres	115	113	112	109	109
Value of production	1,000 dollars	282,894	278,759	351,656	416,826	363,285

Fruit: Acres, production, and value, 2004-2008

Fruit and Year	Bearing acres	Yield	Production		Price	Value of production
			Total	Utilized		
	<i>Acres</i>	<i>Pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Dollars per pound</i>	<i>1,000 dollars</i>
Apples						
2004	40,500	18,000	730	730	0.123	89,780
2005	40,000	19,000	760	755	0.126	95,038
2006	38,500	22,900	880	855	0.141	120,386
2007	36,000	21,400	770	770	0.169	130,325
2008	36,500	16,400	600	600	0.196	117,425
Blueberries ¹						
2004	17,400	4,600	80	80	1.220	97,210
2005	16,800	3,930	66	66	1.270	83,500
2006	18,100	4,970	90	90	1.660	149,655
2007	18,500	5,030	93	93	1.780	165,456
2008	18,600	5,910	110	110	1.130	124,000
Cherries, tart						
2004	27,000	5,520	149	149	0.335	49,861
2005	26,700	7,790	208	208	0.229	47,555
2006	26,400	7,200	190	180	0.192	34,697
2007	26,100	7,510	196	193	0.264	50,905
2008	25,900	6,370	165	165	0.382	63,030
Peaches						
2004	5,200	7,200	37.4	37.4	0.274	10,274
2005	5,000	5,600	28.0	28.0	0.285	7,982
2006	4,500	8,400	37.8	37.4	0.350	13,066
2007	4,300	9,540	41.0	38.2	0.426	16,298
2008	4,300	6,520	28.0	27.4	0.330	9,052
	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars per ton</i>	<i>1,000 dollars</i>
Cherries, sweet						
2004	8,100	3.05	24,700	24,700	660	16,311
2005	7,900	3.42	27,000	27,000	620	16,732
2006	7,700	2.60	20,000	20,000	775	15,492
2007	7,300	3.74	27,300	27,300	649	17,709
2008	7,200	3.68	26,500	26,300	576	15,159
Grapes						
2004	13,900	4.50	62,500	58,000	236	13,690
2005	14,200	7.23	102,700	102,700	210	21,518
2006	14,200	2.29	32,500	27,500	336	9,242
2007	14,100	7.10	100,100	100,100	286	28,605
2008	14,200	5.19	73,700	73,700	364	26,794
Pears						
2004	800	4.33	3,460	3,400	311	1,058
2005	800	2.50	2,000	1,970	423	834
2006	800	4.50	3,600	3,500	320	1,120
2007	800	5.00	4,000	3,600	450	1,621
2008	800	3.56	2,850	2,800	414	1,158
Plums						
2004	750	3.33	2,500	2,000	353	705
2005	750	2.67	2,000	2,000	361	722
2006	750	4.80	3,600	3,400	504	1,713
2007	750	4.13	3,100	2,000	440	879
2008	650	3.54	2,300	2,300	357	821

¹ Harvested acres.

Apples: End-of-month stocks in cold and controlled atmosphere storage, 2004-2008

Month	2004-05	2005-06	2006-07	2007-08	2008-09
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
October	336,351	351,515	383,675	322,867	312,665
November	326,921	322,792	362,253	273,629	310,356
December	268,632	261,930	323,942	217,797	
January	227,805	216,048	260,604	171,502	
February	185,138	158,504	211,682	122,105	
March	137,500	105,340	143,579	83,984	
April	81,771	68,511	87,067	38,313	

Apples: Utilization and price, 2004-2008

Year	Fresh market		Processing		Total	
	Quantity	Price per lb	Quantity	Price per lb	Quantity	Price per lb
	<i>Million pounds</i>	<i>Dollars</i>	<i>Million pounds</i>	<i>Dollars</i>	<i>Million pounds</i>	<i>Dollars</i>
2004	240	0.202	490	0.084	730	0.123
2005	265	0.210	490	0.080	755	0.126
2006	295	0.245	560	0.086	855	0.141
2007	265	0.290	505	0.106	770	0.169
2008	165	0.355	435	0.136	600	0.196

Apples, processing: Utilization and price, 2004-2008

Year	Canned		Frozen and fresh slices		Juice and cider	
	Quantity	Price per lb	Quantity	Price per lb	Quantity	Price per lb
	<i>Million pounds</i>	<i>Dollars</i>	<i>Million pounds</i>	<i>Dollars</i>	<i>Million pounds</i>	<i>Dollars</i>
2004	210	0.090	157	0.098	115	0.055
2005	195	0.088	147	0.095	140	0.055
2006	215	0.085	168	0.113	175	0.060
2007	165	0.110	180	0.124	155	0.080
2008	165	0.150	140	0.159	125	0.090

¹ Not published to avoid disclosure of individual operations.

Blueberries: Utilization and price, 2004-2008

Year	Production		Fresh market		Processed	
	Total	Utilized	Quantity	Price per pound	Quantity	Price per pound
	<i>Million lbs</i>	<i>Million lbs</i>	<i>Million lbs</i>	<i>Dollars</i>	<i>Million lbs</i>	<i>Dollars</i>
2004	80	80	36	1.600	44	0.900
2005	66	66	25	1.700	41	1.000
2006	90	90	29	2.150	61	1.430
2007	93	93	30	2.050	63	1.650
2008	110	110	40	1.700	70	0.800

Cherries, sweet: Production and utilization, 2004-2008

Year	Total production	Utilized production							
		Fresh		Canned		Brined		Other ¹	
		Quantity	Price per ton	Quantity	Price per ton	Quantity	Price per ton	Quantity	Price per ton
	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>Tons</i>	<i>Dollars</i>
2004	24,700	500	2,020	2,870	640	18,100	617	3,230	711
2005	27,000	600	1,770	4,350	630	17,800	550	4,250	739
2006	20,000	1,000	2,750	670	800	12,200	550	6,130	897
2007	27,300	800	2,060	1,060	730	17,400	440	8,040	949
2008	26,500	1,200	2,620	1,830	460	14,100	380	9,170	634

¹ Frozen, juice, etc.

Cherries, tart: Utilization, 2004-2008

Year	Production		Fresh market	Processed					
	Total	Utilized		Canned		Frozen		Other ¹	
				Quantity	Price per pound	Quantity	Price per pound	Quantity	Price per pound
	Million lbs	Million lbs	Million lbs	Million lbs	Dollars	Million lbs	Dollars	Million lbs	Dollars
2004	149	149	0.5	39.5	0.340	103	0.340	6.0	0.169
2005	208	208	0.5	51.0	0.240	146	0.230	10.5	0.141
2006	190	180	0.5	39.0	0.160	114	0.210	26.8	0.153
2007	196	193	0.5	39.0	0.270	143	0.265	10.5	0.191
2008	165	165	0.5	39.0	0.435	117	0.370	8.5	0.262

¹ Juice, wine, and dried.

Cherries, tart: Production by region, 2004-2008

Region	2004	2005	2006	2007	2008
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Northwest	88.0	129.0	115.0	134.0	96.5
West Central	37.0	64.0	49.0	53.0	50.0
Southwest and other	24.0	15.0	26.0	9.0	18.5
Michigan	149.0	208.0	190.0	196.0	165.0

Cherries, tart, frozen: Stocks in cold storage, 2005-2008

Month	East North Central region ¹				48 States total ²			
	2005-06	2006-07	2007-08	2008-09	2005-06	2006-07	2007-08	2008-09
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>1,000 pounds</i>
July	114,768	122,154	135,923	99,621	136,042	137,736	168,436	118,790
August	118,997	115,591	125,752	114,186	150,216	143,082	158,643	137,994
September	111,371	107,942	121,898	100,749	139,969	133,717	153,812	120,386
October	105,240	101,127	112,606	93,116	131,846	123,486	142,039	113,867
November	97,377	93,505	104,719		117,828	112,606	132,845	
December	92,220	89,022	99,014		110,359	110,361	126,646	
January	85,006	80,445	91,603		102,319	97,425	117,609	
February	77,281	73,593	86,533		92,935	88,896	109,423	
March	66,486	64,283	82,236		78,660	76,170	100,479	
April	60,926	55,544	72,708		71,560	66,958	87,495	
May	52,818	45,509	63,661		61,316	58,337	75,690	
June	42,339	36,519	53,119		47,806	48,989	63,055	

¹ Illinois, Indiana, Michigan, Ohio, and Wisconsin.

² Excluding Alaska and Hawaii.

Grapes: Processed utilization and value, 2004-2008

Year	Concord	Niagara	Other	Total		
				Utilized production	Price per ton	Value
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2004	34,900	19,400	3,200	57,500	231	13,290
2005	66,500	31,000	4,500	102,000	205	20,958
2006	15,350	8,100	3,950	27,400	331	9,082
2007	61,000	33,500	4,500	99,000	261	25,855
2008	45,800	22,000	4,700	72,500	325	23,554

Grapes: Processed for wine by category, 2004-2008

Year	Hybrids		Vinifera		Other		Total		
	Quantity	Price per ton	Quantity	Price per ton	Quantity	Price per ton	Quantity	Price per ton	Value of production
	<i>Tons</i>	<i>Dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2004	970	520	1,950	1,185	280	180	3,200	895	2,864
2005	1,660	510	2,640	1,430	300	230	4,600	1,020	4,692
2006	1,490	620	2,460	1,340	350	225	4,300	1,000	4,300
2007	1,800	560	2,700	1,435	900	220	5,400	940	5,080
2008	2,100	610	2,700	1,380	500	240	5,300	970	5,141

Peaches: Utilization and value, 2004-2008

Year	Fresh Market			Processing		
	Production	Price per pound	Value of production	Production	Price per ton	Value of production
	<i>Million lbs</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2004	25.0	0.330	8,250	6,200	326	2,024
2005	14.0	0.390	5,460	7,000	360	2,522
2006	22.7	0.430	9,761	7,350	450	3,305
2007 ¹						
2008 ¹						

¹ Not published to avoid disclosure of individual operations.

Plums: Utilization and value, 2004-2008

Year	Fresh Market			Processing		
	Production	Price per ton	Value of production	Production	Price per ton	Value of production
	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2004	350	769	269	1,650	264	436
2005	450	760	342	1,550	245	380
2006	1,800	730	1,314	1,600	249	399
2007	900	765	689	1,100	173	190
2008	700	775	543	1,600	174	278

Strawberries: Acres, production and value, 2004-2008

Year	Total	Harvested	Yield	Production	Price per cwt	Value of production
	<i>Acres</i>	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2004	1,100	900	46	41	97.70	4,005
2005	1,100	1,000	52	52	93.80	4,878
2006	1,000	850	65	55	114.00	6,285
2007	1,000	850	51	43	117.00	5,028
2008	950	800	61	49	119.00	5,846

Strawberries: Utilization and value, 2004-2008

Year	Fresh Market			Processing		
	Production	Price per cwt	Value of production	Production	Price per cwt	Value of production
	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2004	36	105	3,780	5	45.00	225
2005	47	99	4,653	5	45.00	225
2006	52	118	6,136	3	49.50	149
2007	41	120	4,920	2	54.00	108
2008	47	122	5,734	2	56.00	112

Refrigerated warehouses: Number and capacity, October 1, 2007 ¹

Type	Number	Usable freezer space	Usable cooler space	Controlled atmosphere
		<i>1,000 cu ft</i>	<i>1,000 cu ft</i>	<i>1,000 bushels</i>
Apple	153		26,185	6,251
General-public	24	50,511	6,193	
General-private and semi-private	23	15,215	4,651	

¹ Conducted biennially.

Vegetables

Michigan vegetable growers produced 833,350 tons of fresh and processed vegetables in 2008. Harvested acreage was 105,400. Value of production totaled \$239 million. Nationally, Michigan ranked eighth and fourth, respectively for fresh market and processing vegetable value of production.

Michigan farmers produced 8.40 million hundredweight (cwt) of fresh market vegetables, an increase of 1 percent from 2007. Processing vegetable production totaled 413,350 tons. Light precipitation in early May was welcomed by most farmers, but field work and planting for some vegetables was hindered. Warmer, drier weather in early July helped with crop development, but pressure from foliar diseases forced farmers to spray more than usual. Dry conditions prevailed through August, causing growers to worry about reductions in yield and crop quality for late season vegetables. Rain in mid-September was welcomed by some, but crop experts

believed it may have been too late to benefit most crops. While warm, sunny days in October helped farmers to complete harvest, cool nights and early season frosts hindered crop development.

Michigan ranked third among States for dual purpose asparagus production with 258,000 cwt produced, up 6 percent from last year's 244,000 cwt. Asparagus spears began to emerge in late April, with the warm temperatures pushing crop development ahead of schedule. Harvest started in early May with some losses to a freeze which occurred then, but most growers picked all the spears that were up in the southwest. The spears were sandy because of the excessive rain and purple spot was evident in some fields. Harvest was complete in some areas by mid-June while other growers picked late. Growers felt the yield was better than last year, but still behind a full crop.

Vegetables: Record highs and lows

Crop	Unit	Record high		Record low		Year estimates started
		Quantity	Year	Quantity	Year	
Asparagus						
Harvested	1,000 acres	23.0	1989	1.0	1928	1928
Yield	Cwt	31	1947	9	1981	
Production	1,000 cwt	317	2003	17	1928	
Beans, snap (processing)						
Harvested	1,000 acres	27.0	1999	0.8	1921	1918
Yield	Tons	3.89	1998	0.60	1947	
Production	Tons	100,970	1999	600	1921	
Carrots (fresh market)						
Harvested	1,000 acres	7.7	1994	0.5	1929	1929
Yield	Cwt	398	1995	155	1957	
Production	1,000 cwt	2,610	1995	132	1936	
Celery						
Harvested	1,000 acres	7.2	1941	1.6	2005	1928
Yield	Cwt	575	2005	174	1935	
Production	1,000 cwt	1,915	1941	576	1966	
Corn, sweet (fresh market)						
Harvested	1,000 acres	15.2	1961	8.0	2005	1949
Yield	Cwt	110	2006	42	1949	
Production	1,000 cwt	1,020	1994	525	1949	
Cucumbers (processing)						
Harvested	1,000 acres	46.3	1949	9.3	1932	1918
Yield	Tons	6.7	1987	0.6	1924	
Production	Tons	189,100	2008	8,900	1932	
Onions						
Harvested	1,000 acres	12.7	1935	2.9	2005	1928
Yield	Cwt	350	1960	120	1935	
Production	1,000 cwt	2,833	1948	754	2005	
Tomatoes (fresh market)						
Harvested	1,000 acres	9.4	1943	1.8	2001	1928
Yield	Cwt	260	2004,2008	60	1959	
Production	1,000 cwt	797	1943	204	1988	
Tomatoes (processing)						
Harvested	1,000 acres	9.7	1982	1.0	1921	1918
Yield	Tons	38.0	2003	2.7	1943	
Production	Tons	205,000	1982	5,000	1921	

Vegetables: Acres harvested and value of production, 2004-2008

Item	Unit	2004	2005 ¹	2006	2007	2008
Acres harvested	1,000 acres	121	107	113	115	105
Value of production	1,000 dollars	232,401	186,062	221,308	224,677	239,121

¹ Processing tomatoes excluded to avoid disclosure of individual operations.

Principal vegetables, fresh market: Acres, production, and value, 2004-2008

Year	Planted	Harvested	Production	Value
	<i>Acres</i>	<i>Acres</i>	<i>1,000 cwt</i>	<i>1,000 dollars</i>
2004	68,400	64,000	9,611	175,899
2005	59,200	55,200	8,884	146,330
2006	59,000	55,400	8,793	163,539
2007	59,300	56,000	8,347	156,949
2008	56,700	53,800	8,396	170,826

Principal vegetables, processing: Acres, production, and value, 2004-2008

Year	Planted	Harvested	Production	Value
	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>1,000 dollars</i>
2004	57,700	56,600	374,780	56,502
2005 ¹	53,300	51,400	275,540	39,732
2006	59,000	57,200	413,970	57,769
2007	60,500	59,100	419,100	67,728
2008	52,700	51,600	413,350	68,295

¹ Processing tomatoes excluded to avoid disclosure of individual operations.

Vegetables, processing: Acres, production, and value, 2004-2008

Item and Year	Planted	Harvested	Yield	Production	Price per ton	Value
	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Carrots						
2004	1,400	1,300	25.00	32,500	62.00	2,015
2005	2,300	2,200	26.00	57,200	62.00	3,546
2006	2,700	2,600	23.00	59,800	74.00	4,425
2007	3,100	3,000	20.00	60,000	76.00	4,560
2008	2,800	2,700	25.00	67,500	74.00	4,995
Cucumbers						
2004	35,000	34,500	5.00	172,500	205.00	35,363
2005	34,000	33,000	4.80	158,400	168.00	26,611
2006	34,000	33,200	5.20	172,640	194.00	33,492
2007	35,500	35,000	5.30	185,500	230.00	42,665
2008	31,000	30,500	6.20	189,100	220.00	41,602
Snap beans						
2004	17,700	17,300	3.54	61,280	169.00	10,335
2005	17,000	16,200	3.70	59,940	160.00	9,575
2006	19,000	18,100	3.65	66,030	148.00	9,803
2007	18,500	17,800	3.45	61,400	169.00	10,405
2008	15,500	15,000	3.65	54,750	210.00	11,498
Tomatoes						
2004	3,600	3,500	31.00	108,500	81.00	8,789
2005 ¹						
2006	3,300	3,300	35.00	115,500	87.00	10,049
2007	3,400	3,300	34.00	112,200	90.00	10,098
2008	3,400	3,400	30.00	102,000	100.00	10,200

¹ Estimates not published to avoid disclosure of individual operations.

Vegetables, fresh market: Acres, production, and value, 2004-2008

Item and year	Planted	Harvested	Yield	Production	Price per cwt	Value ¹
	<i>Acres</i>	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Beans, snap						
2004	4,400	4,100	45	185	45.00	8,325
2005	4,300	4,100	55	226	60.00	13,560
2006	3,900	3,500	55	193	40.00	7,720
2007	3,400	3,100	40	124	65.00	8,060
2008	3,200	2,800	40	112	40.00	4,480
Cabbage						
2004	1,800	1,600	270	432	12.00	5,184
2005	1,800	1,700	360	612	8.50	5,202
2006	1,900	1,800	340	612	12.10	7,405
2007	2,500	2,400	320	768	15.00	11,520
2008	2,500	2,400	280	672	18.00	12,096
Carrots						
2004	4,400	4,200	310	1,302	12.20	15,884
2005	3,100	3,000	360	1,080	14.00	15,120
2006	2,800	2,400	320	768	18.00	13,824
2007	2,300	2,200	300	660	15.80	10,428
2008	2,400	2,300	290	667	19.00	12,673
Corn, sweet						
2004	10,500	9,500	75	713	19.50	13,904
2005	9,000	8,000	100	800	20.00	16,000
2006	9,200	8,500	110	935	18.00	16,830
2007	9,700	8,700	85	740	19.80	14,652
2008	9,000	8,500	85	723	23.50	16,991
Cucumbers						
2004	7,500	7,400	175	1,295	17.20	22,274
2005	5,500	5,200	180	936	16.00	14,976
2006	5,600	5,200	170	884	18.50	16,354
2007	5,000	4,900	175	858	17.90	15,358
2008	4,200	4,100	185	759	18.60	14,117
Onions						
2004	3,500	3,400	290	986	10.80	8,521
2005	3,000	2,900	260	754	13.00	7,852
2006	3,500	3,400	250	850	14.60	9,928
2007	3,900	3,800	260	988	11.10	8,747
2008	4,000	3,600	280	1,008	16.40	13,251
Tomatoes						
2004	2,200	2,100	260	546	48.00	26,208
2005	2,000	2,000	220	440	38.00	16,720
2006	2,000	2,000	230	460	50.00	23,000
2007	2,200	2,200	230	506	49.00	24,794
2008	2,200	2,100	260	546	45.00	24,570

¹ Value of sales for onions.

Vegetables, dual purpose: Acres, production, and value, 2004-2008

Item and year	Planted	Harvested	Yield	Production	Price per cwt	Value
	<i>Acres</i>	<i>Acres</i>	<i>Cwt</i>	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Asparagus						
2004	15,000	13,500	20	270	64.70	17,468
2005	12,700	12,200	19	232	51.80	12,006
2006	12,200	11,700	22	257	57.80	14,866
2007	12,100	11,600	21	244	66.00	16,092
2008	11,700	11,200	23	258	71.80	18,516
Celery						
2004	2,300	2,200	560	1,232	12.30	15,215
2005	1,700	1,600	575	920	11.40	10,493
2006	1,800	1,700	530	900	22.10	19,920
2007	2,000	1,900	490	931	13.20	12,334
2008	1,900	1,800	525	945	15.60	14,705
Peppers, bell						
2004	1,800	1,800	290	522	26.00	13,572
2005	1,500	1,400	280	392	23.00	9,016
2006	1,500	1,400	270	378	26.00	9,828
2007	1,500	1,500	260	390	33.00	12,870
2008	1,600	1,600	250	400	30.00	12,000
Pumpkins						
2004	7,800	7,200	140	1,008	13.00	13,104
2005	6,000	5,200	145	754	12.00	9,048
2006	6,200	5,700	150	855	11.00	9,405
2007	7,000	6,200	115	713	12.00	8,556
2008	7,100	6,800	145	986	15.50	15,283
Squash						
2004	7,200	7,000	160	1,120	14.50	16,240
2005	8,600	7,900	220	1,738	9.40	16,337
2006	8,400	8,100	210	1,701	8.50	14,459
2007	7,700	7,500	190	1,425	9.50	13,538
2008	6,900	6,600	200	1,320	9.20	12,144

Asparagus: Utilization and value, 2004-2008

Year	Fresh market			Processing		
	Production	Price per cwt	Value of production	Production	Price per ton	Value of production
	<i>1,000 cwt</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>Tons</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2004	26	90.00	2,340	12,200	1,240	15,128
2005	58	63.00	3,654	8,700	960	8,352
2006	31	64.00	1,984	11,300	1,140	12,882
2007 ¹						
2008 ¹						

¹ Estimates not published to avoid disclosure of individual operations.

U.S. Pickle stocks in tanks, barrels, and fresh pack, December 1, 2004-2008

Year	From current year crop			From previous year crop	Total stocks
	Salt stock including dill	Fresh pack	Refrigerated	Salt stock including dill	
	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>	<i>Tons</i>
2004	168,553	55,474	1,638	14,979	240,644
2005	161,670	46,474	3,439	38,865	250,448
2006	389,502	36,470	2,800	15,534	444,306
2007	332,011	32,795	2,850	9,076	376,732
2008	377,549	30,713	1,530	38,177	447,969

Horticulture

Michigan maintained its third place national ranking in value of wholesale sales of floriculture products in 2008. Only California and Florida reported larger sales. Reports from Michigan's 720 commercial growers (\$10K or more in gross sales) showed an estimated wholesale value of \$393.5 million for all surveyed floriculture crops, down 3 percent from last year's revised figure. This estimate includes summarized sales data as reported by growers with \$100K or more in sales plus a calculated wholesale value of sales for operations with sales from \$10K to \$99,999.

The leading crop category breakdowns for Michigan operations with more than \$100K in sales were:

- First, annual bedding/garden plants with \$187 million in sales.
- Second, propagative materials with \$77 million in sales.
- Third, herbaceous perennial plants with \$69 million in sales.
- Fourth, potted flowering plants with \$33 million in sales.

Michigan leads the nation in value of sales for 11 floriculture crops:

- Impatiens (flats) with 1.9 million flats sold, valued at \$13.9 million.
- Begonia Hanging Baskets with 365,000 baskets sold, valued at \$2.2 million.
- Geranium Hanging Baskets (cuttings) with 613,000 baskets sold, valued at \$4.3 million.
- Impatiens Hanging Baskets with 568,000 sold, valued at \$3.0 million.
- New Guinea Impatiens Hanging Baskets with 469,000 baskets sold, valued at \$3.3 million.
- Petunias Hanging Baskets with 850,000 baskets sold, valued at \$5.0 million.

- Potted Geraniums (seed) with 18.2 million pots sold, valued at \$14.6 million.
- Potted New Guinea Impatiens with 4.3 million pots sold, valued at \$6.8 million.
- Potted Petunias with 2.5 million pots sold, valued at \$5.2 million.
- Potted Vegetable Plants with 8.5 million pots sold, valued at \$9.3 million.
- Potted Hostas with 3.1 million pots sold, valued at \$7.7 million.

Michigan crops that ranked second in value of sales nationally were:

- Begonias (flats) with 827,000 flats sold, valued at \$6.2 million.
- Marigolds (flats) with 705,000 flats sold, valued at \$5.2 million.
- Petunias (flats) with 1.5 million flats sold, valued at \$11.0 million.
- Pansy/Viola Hanging Baskets with 84,000 baskets sold, valued at \$500,000
- Other Flowering and Foliar Hanging Baskets with 2.1 million baskets sold, valued at \$14.5 million.
- Potted Geraniums (cuttings) with 4.0 million pots sold, valued at \$10.5 million.
- Potted Hardy/Garden Chrysanthemums with 5.6 million pots sold, valued at \$13.3 million.
- Potted Other Herbaceous Perennials with 21.1 million pots sold, valued at \$48.3 million.
- Potted Easter Lilies with 1.1 million pots sold, valued at \$4.3 million.
- Potted Spring Flowering Bulbs with 7.7 million pots sold, valued at \$12.1 million.

Floriculture crops: Number of growers by gross value of sales, 2004-2008

Year	\$10,000- \$19,999	\$20,000- \$39,000	\$40,000- \$49,000	\$50,000- \$99,999	\$100,000- \$499,999	\$500,000 or more	Total growers
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
2004	49	89	46	182	216	139	721
2005	46	94	41	173	203	140	697
2006	60	83	42	154	193	139	671
2007	61	114	49	176	193	138	731
2008	84	111	46	160	181	138	720

Floriculture crops: Growing area by type of cover, 2004-2008

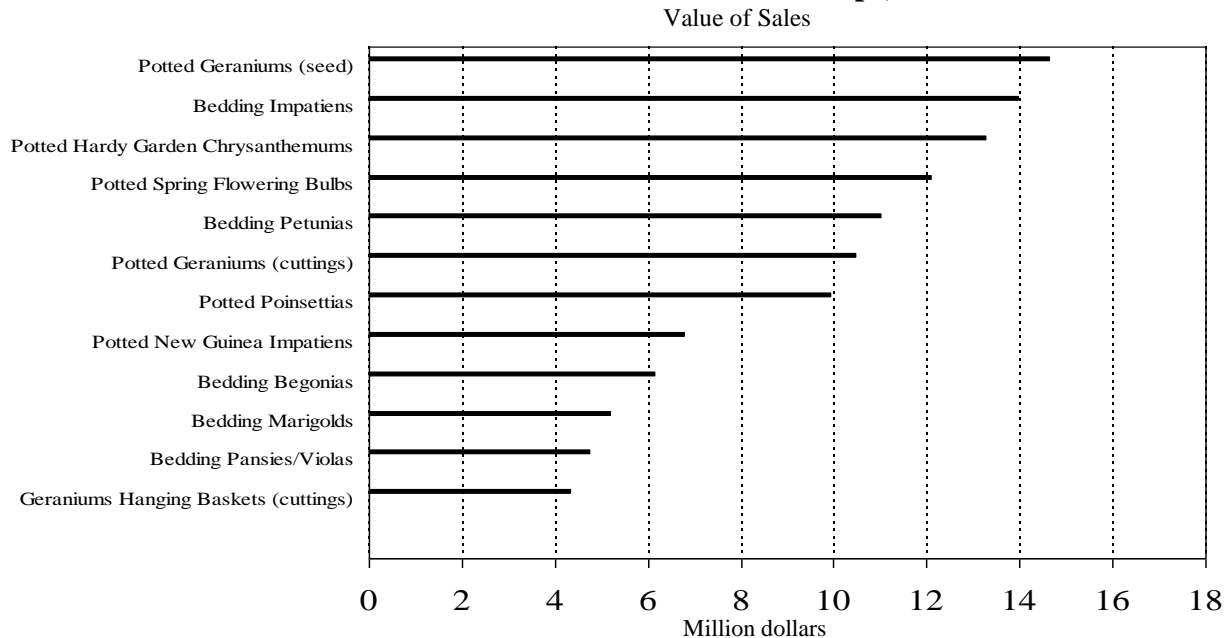
Year	Glass greenhouses	Fiberglass and other rigid greenhouses	Plastic film greenhouses	Total greenhouse cover	Shade and temporary cover	Total covered area	Open ground
	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>1,000 square feet</i>	<i>Acres</i>
2004	4,549	4,616	38,692	47,857	1,353	49,210	4,687
2005	4,327	4,614	36,937	45,878	1,183	47,061	4,958
2006	4,149	5,684	37,364	47,197	1,170	48,367	3,484
2007	3,751	4,495	38,746	46,992	1,091	48,083	4,058
2008	3,922	4,953	38,064	46,939	1,054	47,993	4,004

Floriculture crops: Wholesale value of sales by category, 2004-2008

Year	Total cut flowers	Total potted flowering plants	Total foliage for indoor or patio use	Total bedding/garden plants	Total wholesale value of reported crops	Expanded wholesale value of reported crops ¹
	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2004	8,711	32,074	4,152	238,508	365,897	384,655
2005	9,240	33,979	4,453	237,125	367,416	385,402
2006	6,608	33,329	4,504	239,301	364,132	380,500
2007	7,487	35,043	3,605	257,325	387,040	405,760
2008	6,971	32,903	3,085	256,165	376,041	393,531

¹ Wholesale value of sales as reported by growers with \$100,000 or more in sales of floriculture crops plus a calculated wholesale value of sales for growers with sales below \$100,000. The value of sales for growers below the \$100,000 level was estimated by multiplying the number of growers in each size group by the midpoint of each dollar range.

Selected Floriculture Crops, 2008



Bedding plants: Producers, quantity sold, price, and value, 2004-2008

Item	Producers	Quantity sold	Percent of sales at wholesale	Wholesale price	Value of sales at wholesale
	<i>Number</i>	<i>1,000 flats</i>	<i>Percent</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Begonias					
2004	232	1,114	81	7.12	7,932
2005	225	1,350	86	7.18	9,693
2006	218	922	86	7.51	6,924
2007	206	821	86	7.43	6,100
2008	205	827	86	7.44	6,153
Geraniums from cuttings					
2004	16	67	33	15.24	1,021
2005	(¹)	(¹)	(¹)	(¹)	(¹)
2006	13	185	72	7.91	1,463
2007	11	67	18	10.29	689
2008	12	60	11	12.96	778
Geraniums from seed					
2004	32	73	74	11.41	833
2005	35	60	83	11.32	679
2006	33	55	87	11.80	649
2007	25	48	82	12.87	618
2008	22	48	78	11.90	571
Impatiens					
2004	235	2,302	86	7.01	16,137
2005	221	2,063	85	7.41	15,287
2006	224	2,128	86	7.17	15,258
2007	220	2,088	88	7.29	15,222
2008	220	1,932	87	7.22	13,949
Marigolds					
2004	234	814	87	7.08	5,763
2005	227	772	84	7.34	5,666
2006	227	753	85	7.31	5,504
2007	216	723	86	7.54	5,451
2008	213	705	86	7.35	5,182
New Guinea Impatiens					
2004	21	65	49	10.01	651
2005	23	78	84	10.67	832
2006	22	71	85	10.23	726
2007	15	43	48	8.34	359
2008	18	34	68	8.36	284
Pansies/Violas					
2004	218	882	91	6.77	5,971
2005	206	804	88	7.03	5,652
2006	203	813	87	6.85	5,569
2007	194	711	90	7.15	5,084
2008	194	629	90	7.53	4,736
Petunias					
2004	256	1,644	86	7.05	11,590
2005	248	1,557	85	7.41	11,537
2006	239	1,592	86	7.48	11,908
2007	228	1,457	87	7.49	10,913
2008	228	1,476	87	7.46	11,011
Other flowering and foliar					
2004	246	3,917	85	7.26	28,437
2005	242	3,673	85	7.67	28,172
2006	232	3,956	88	7.64	30,224
2007	225	3,389	89	7.65	25,926
2008	209	2,927	86	7.28	21,309
Vegetables ²					
2004	186	569	80	7.33	4,171
2005	182	630	74	8.16	5,141
2006	188	644	73	7.98	5,139
2007	173	726	84	7.80	5,663
2008	168	696	82	8.14	5,665

¹ Not published to avoid disclosure of individual operations.

² Does not include vegetable transplants grown for commercial use.

Hanging baskets: Producers, quantity sold, price, and value, 2004-2008

Item	Producers	Quantity sold	Percent of sales at wholesale	Wholesale price	Value of sales at wholesale
	<i>Number</i>	<i>1,000 baskets</i>	<i>Percent</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Begonias					
2004	165	394	86	5.78	2,277
2005	169	435	86	5.63	2,449
2006	166	473	89	5.62	2,658
2007	170	447	88	5.31	2,374
2008	161	365	88	6.00	2,190
Geraniums from cuttings					
2004	212	784	83	6.56	5,143
2005	213	717	81	6.69	4,797
2006	210	734	81	6.73	4,940
2007	208	776	78	6.57	5,098
2008	205	613	79	7.04	4,316
Geraniums from seed					
2004	25	59	95	5.75	339
2005	29	68	97	6.19	421
2006	23	71	98	5.98	425
2007	23	61	97	5.54	338
2008	24	40	89	5.97	239
Impatiens					
2004	198	472	82	5.23	2,469
2005	200	551	86	5.09	2,805
2006	186	655	89	5.28	3,458
2007	188	721	91	4.81	3,468
2008	187	568	90	5.28	2,999
Marigolds					
2004	(¹)	(¹)	(¹)	(¹)	(¹)
2005	3	2	100	4.98	10
2006	6	12	100	3.31	40
2007	(¹)	(¹)	(¹)	(¹)	(¹)
2008	11	24	100	3.69	89
New Guinea Impatiens					
2004	221	813	90	6.37	5,179
2005	218	804	90	6.22	5,001
2006	215	713	90	6.52	4,649
2007	209	674	91	6.28	4,233
2008	205	469	87	7.00	3,283
Pansies/Violas					
2004	30	46	86	5.24	241
2005	35	85	95	4.80	408
2006	38	108	91	4.57	494
2007	43	145	96	5.14	745
2008	45	84	94	5.92	497
Petunias					
2004	197	517	86	5.25	2,714
2005	193	545	83	5.49	2,992
2006	190	784	90	5.90	4,626
2007	200	808	89	5.40	4,363
2008	206	850	88	5.83	4,956
Other flowering					
2004	208	1,968	83	6.10	12,005
2005	204	2,098	84	6.05	12,693
2006	197	2,201	88	6.31	13,888
2007	202	2,370	87	6.93	16,424
2008	192	2,068	87	6.99	14,455
Foliage					
2004	65	430	93	4.42	1,901
2005	62	273	91	4.81	1,313
2006	68	333	89	4.51	1,502
2007	63	214	86	5.52	1,181
2008	59	179	85	5.73	1,026

¹ Not published to avoid disclosure of individual operations.

Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2004-2008

Item	Producers	Quantity sold			Percent of sales at wholesale	Wholesale price		Value of sales at wholesale
		Less than 5 inch pots	5 inch pots or larger	Total		Less than 5 inch pots	5 inch pots or larger	
	<i>Number</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Azaleas								
2004	24	(¹)	93	93	87	(¹)	7.82	727
2005	20	(¹)	68	68	87	(¹)	7.60	517
2006	22	(¹)	77	77	89	(¹)	7.27	560
2007	17	(¹)	58	58	84	(¹)	7.24	420
2008	17	(¹)	47	47	80	(¹)	7.40	348
Begonias								
2004	96	637	213	850	88	1.05	2.48	1,197
2005	92	545	119	664	89	1.11	3.40	1,010
2006	94	526	72	598	85	1.10	3.34	819
2007	87	1,047	209	1,256	92	0.71	2.63	1,293
2008	99	619	153	772	91	1.28	3.02	1,254
Chrysanthemums, florist								
2004	32	35	204	239	75	1.64	3.99	871
2005	24	28	262	290	89	1.71	5.99	1,617
2006	27	38	173	211	85	1.54	3.55	673
2007	22	(¹)	173	173	82	(¹)	3.11	538
2008	20	20	91	111	86	1.72	4.19	416
Chrysanthemums, hardy garden								
2004	134	929	4,746	5,675	95	1.50	2.02	10,980
2005	144	558	5,114	5,672	95	1.00	2.09	11,246
2006	134	620	4,869	5,489	94	1.02	2.23	11,490
2007	131	772	4,154	4,926	94	1.19	2.99	13,339
2008	131	1,020	4,612	5,632	94	1.33	2.58	13,256
Easter Lilies								
2004	38	91	1,290	1,381	97	1.72	3.66	4,878
2005	39	(¹)	1,267	1,267	98	(¹)	3.62	4,580
2006	43	(¹)	1,168	1,168	97	(¹)	3.88	4,530
2007	33	(¹)	1,131	1,131	98	(¹)	3.88	4,393
2008	33	(¹)	1,116	1,116	98	(¹)	3.86	4,308
Geraniums from cuttings								
2004	231	3,739	1,448	5,187	70	1.74	3.60	11,719
2005	212	3,644	1,263	4,907	69	1.79	4.10	11,701
2006	219	3,191	1,218	4,409	65	1.84	4.33	11,145
2007	215	2,861	1,352	4,213	69	1.91	4.13	11,048
2008	205	2,654	1,348	4,002	66	1.87	4.09	10,476
Geraniums from seed								
2004	109	16,726	(¹)	16,726	98	0.81	(¹)	13,565
2005	100	15,792	79	15,871	98	0.78	4.89	12,704
2006	97	19,514	9	19,523	99	0.78	9.63	15,308
2007	94	18,328	11	18,339	99	0.79	4.46	14,528
2008	93	18,150	20	18,170	99	0.80	5.97	14,639
Impatiens								
2004	63	732	353	1,085	94	0.91	2.03	1,383
2005	69	554	111	665	95	0.84	3.10	809
2006	54	584	89	673	95	0.75	4.31	822
2007	60	698	237	935	91	0.72	1.81	932
2008	61	523	173	696	92	1.34	2.76	1,178
Marigolds								
2004	28	113	171	284	98	0.85	1.84	411
2005	24	113	82	195	97	0.76	1.63	220
2006	17	(¹)	223	223	98	(¹)	1.77	394
2007	22	207	230	437	97	0.43	2.40	641
2008	20	141	73	214	99	0.88	2.52	308
New Guinea Impatiens								
2004	199	3,642	343	3,985	94	1.27	3.64	5,874
2005	182	4,255	532	4,787	95	1.25	2.94	6,883
2006	178	4,104	267	4,371	94	1.23	4.55	6,263
2007	172	3,954	402	4,356	95	1.33	3.35	6,606
2008	170	3,870	422	4,292	94	1.39	3.34	6,789

See footnote(s) at end of table.

--continued

Potted flowering and annual bedding plants: Producers, quantity sold, price, and value, 2004-2008 (continued)

Item	Producers	Quantity sold			Percent of sales at wholesale	Wholesale price		Value of sales at wholesale
		Less than 5 inch pots	5 inch pots or larger	Total		Less than 5 inch pots	5 inch pots or larger	
	<i>Number</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>Percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Pansies/Violas								
2004	50	873	235	1,108	98	0.46	2.17	912
2005	59	901	313	1,214	98	0.44	2.82	1,279
2006	49	1,712	(¹)	1,712	98	1.14	(¹)	1,952
2007	50	1,239	744	1,983	99	0.46	2.20	2,207
2008	48	1,099	389	1,488	99	0.82	2.74	1,967
Petunias								
2004	98	1,113	1,240	2,353	92	1.25	2.46	4,442
2005	91	1,142	1,325	2,467	93	0.89	2.70	4,594
2006	90	1,208	991	2,199	90	1.30	2.89	4,434
2007	96	1,441	1,075	2,516	92	0.95	2.87	4,454
2008	104	1,629	860	2,489	94	1.41	3.40	5,221
Poinsettias								
2004	86	841	2,696	3,537	93	1.83	4.18	12,808
2005	86	656	2,485	3,141	91	1.89	4.15	11,553
2006	79	530	2,284	2,814	91	1.99	4.54	11,424
2007	72	461	2,221	2,682	92	2.07	5.04	12,148
2008	67	396	1,983	2,379	93	2.13	4.58	9,926
Roses, florist								
2004	6	79	(¹)	79	96	3.20	(¹)	253
2005	13	(¹)	54	54	88	(¹)	3.86	209
2006	18	76	(¹)	76	93	3.85	(¹)	293
2007	14	(¹)	35	35	86	(¹)	6.05	212
2008	8	(¹)	30	30	96	(¹)	6.56	197
Flowering bulbs								
2004	41	751	1,531	2,282	98	1.46	3.21	6,011
2005	40	6,921	(¹)	6,921	100	1.25	(¹)	8,679
2006	42	7,472	(¹)	7,472	100	1.29	(¹)	9,669
2007	33	5,909	(¹)	5,909	100	2.08	(¹)	12,308
2008	33	7,733	(¹)	7,733	100	1.56	(¹)	12,094
Other flowering plants								
2004	58	1,500	468	1,968	84	1.80	4.21	4,670
2005	47	1,124	411	1,535	84	1.46	4.18	3,359
2006	50	1,098	498	1,596	71	1.22	4.86	3,760
2007	39	364	294	658	86	2.08	5.70	2,433
2008	43	536	613	1,149	89	1.47	3.72	3,068
Other flowering and foliar type bedding plants								
2004	147	16,780	3,068	19,848	91	1.01	3.21	26,796
2005	137	12,738	3,216	15,954	89	1.17	3.26	25,388
2006	150	14,966	3,365	18,331	89	1.15	3.54	29,123
2007	146	14,351	3,146	17,497	87	1.41	4.08	33,071
2008	136	12,942	3,795	16,737	89	1.53	3.51	33,122
Vegetable type ²								
2004	93	3,129	343	3,472	94	0.54	1.97	2,365
2005	96	5,448	267	5,715	98	0.59	2.66	3,925
2006	92	2,858	403	3,261	94	0.56	3.61	3,055
2007	94	6,575	874	7,449	95	0.69	2.35	6,591
2008	98	7,656	882	8,538	96	0.94	2.41	9,322

¹ Pot sizes have been combined into category with greatest production to avoid disclosure of individual operations.

² Does not include vegetable transplants grown for commercial use.

Herbaceous perennials: Producers, quantity sold, price, and value, 2004-2008

Item	Producers	Quantity sold				Percent of sales at wholesale	Wholesale price			Value of All sales at wholesale
		Less than 1 gallon	1 to 2 gallon	2 gallon and larger	Total		Less than 1 gallon	1 to 2 gallon	2 gallon and larger	
	<i>Number</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>1,000 pots</i>	<i>percent</i>	<i>Dollars</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>
Hosta										
2004	124	676	711	94	1,481	88	2.01	3.58	5.26	4,399
2005	121	431	605	112	1,148	86	1.53	3.38	6.37	3,418
2006	113	928	567	59	1,554	90	1.77	3.38	7.52	4,003
2007	106	1,911	808	55	2,774	95	1.78	4.13	7.33	7,142
2008	106	2,103	911	48	3,062	95	1.73	4.04	7.48	7,678
Other										
2004	147	9,780	6,824	741	17,345	90	1.40	3.42	6.15	41,587
2005	147	13,964	5,916	306	20,186	92	1.09	3.54	9.11	38,951
2006	140	8,673	6,639	301	15,613	89	0.98	3.21	7.11	31,951
2007	127	8,184	8,007	279	16,470	90	1.48	3.54	6.72	42,332
2008	124	13,350	7,343	432	21,125	92	1.36	3.71	6.70	48,293

Livestock, Dairy, and Poultry

Livestock: Record highs and lows

Livestock	Unit	Record high		Record low		Year estimates started
		Quantity	Year	Quantity	Year	
Cattle and calves	1,000 head	2,036	1944	538	1867	1867
Cattle on feed	1,000 head	210	2004	57	1931	1930
Chickens, all ¹	1,000 birds	15,512	1944	6,190	1997	1924
Cows, beef	1,000 head	239	1977	24	1925,1933	1920
Cows, milk	1,000 head	1,080	1945	225	1867	1867
Eggs ²	Million eggs	2,653	2008	1,104	1929	1924
Hogs and pigs ¹	1,000 head	1,397	1943	512	1934	1867
Honey	1,000 pounds	11,780	1939	3,960	2006	1921
Milk	Million pounds	7,763	2008	3,941	1927	1924
Sheep	1,000 head	3,100	1867	62	1999	1867
Wool	1,000 pounds	8,424	1934	420	2006,2007	1934

¹ December 1.

² December 1 previous year to November 30.

Cattle and Calves

The January 1, 2009, Michigan cattle herd totaled 1.07 million head, unchanged from a year ago. The milk cow inventory, at 353,000 head, was up 9,000 from the previous year. Milk cow replacement heifers were up 11,000 at 148,000. Beef cows, at 92,000 head, were down 13 percent from last year. Calves on hand were at 200,000, up 4,000 from last year. Beef cow replacement heifers, at 27,000 head, were down 4,000 head. The 2008 calf crop was 375,000 head, unchanged from the previous year. Steer numbers were down 10,000 at 185,000 head. Other heifers

increased to 50,000 from 45,000, while bulls, at 15,000 head, were down 1,000 from last year. Cattle on full feed for slaughter totaled 165,000 head, down 5,000 from last year.

The January 1 Michigan cattle and calf inventory was valued at \$1.23 billion, down 14 percent from January 1, 2008, which was \$1.42 billion. Cash receipts from cattle and calf marketings totaled \$384.9 million, while total liveweight marketed was 494.4 million pounds. The top 5 counties in cattle and calves in 2008 were Huron, Allegan, Sanilac, Clinton, and Ionia.

Cattle and calves: Number on farms by class, January 1, 2005-2009

Class	2005	2006	2007	2008	2009
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
All cows that have calved	400	415	435	450	445
Beef cows	93	101	108	106	92
Milk cows	307	314	327	344	353
Heifers, 500 pounds and over	202	213	205	213	225
Beef cow replacement	35	31	33	31	27
Milk cow replacement	120	137	135	137	148
Other	47	45	37	45	50
Steers, 500 pounds and over	200	195	190	195	185
Bulls, 500 pounds and over	18	17	17	16	15
Calves, under 500 pounds	180	190	213	196	200
All cattle and calves	1,000	1,030	1,060	1,070	1,070

Cattle and calves: Balance sheet, 2004-2008

Year	All cattle and calves on hand January 1	Calf crop	Inshipments	Marketings ¹		Farm slaughter cattle and calves ²	Deaths		All cattle and calves on hand following January 1
				Cattle	Calves		Cattle	Calves	
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
2004	1,030	335	43	304	28	4	24	48	1,000
2005	1,000	350	60	273	31	4	25	47	1,030
2006	1,030	365	68	289	37	4	25	48	1,060
2007	1,060	375	75	325	42	4	23	46	1,070
2008	1,070	375	95	357	42	4	23	44	1,070

¹ Includes custom slaughter and state outshipments, but excludes inter-farm sales within the State.

² Excludes custom slaughter for farmers at commercial establishments.

Cattle and calves: Production and income, 2004-2008

Year	Production ¹	Marketings ²	Average price per cwt		Value of production	Cash receipts ⁴	Value of home consumption	Gross income
			All beef ³	Calves				
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2004	373,604	404,800	68.70	109.00	250,766	282,708	8,600	291,308
2005	365,334	369,815	73.20	132.00	259,915	277,781	9,257	287,038
2006	379,197	396,925	71.90	134.00	266,622	294,626	9,127	303,753
2007	428,409	443,590	75.80	118.00	314,853	343,331	9,835	353,166
2008	443,350	494,368	77.10	99.90	335,670	384,943	9,823	394,766

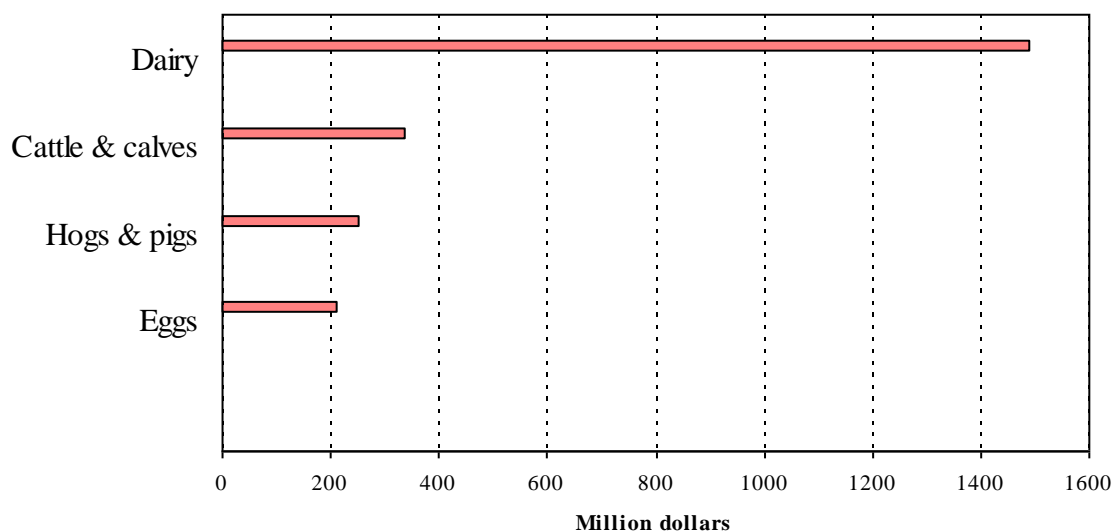
¹ Adjustments made for changes in inventory and for inshipments.

² Excludes custom slaughter for use on farms where produced and inter-farm sales within the State.

³ Combined price for "Cows" and "Steers and Heifers".

⁴ Receipts from marketings and sale of farm slaughter.

Michigan Livestock: Value of Production, 2008



Dairy

Milk production in Michigan during 2008 was 7,763 million pounds, up 1.8 percent from 2007. Michigan ranked ninth nationally in milk production in 2008, accounting for 4.09 percent of U.S. production. Huron, Clinton, and Allegan were the three top counties in milk cows.

The annual average number of milk cows on Michigan farms during 2008 was 350,000 head, up 15,000 from 2007. Milk

production per cow was 22,180 pounds in 2008, compared with 22,761 pounds during 2007. The average butterfat content was 3.64 percent, up from 3.61 in 2007.

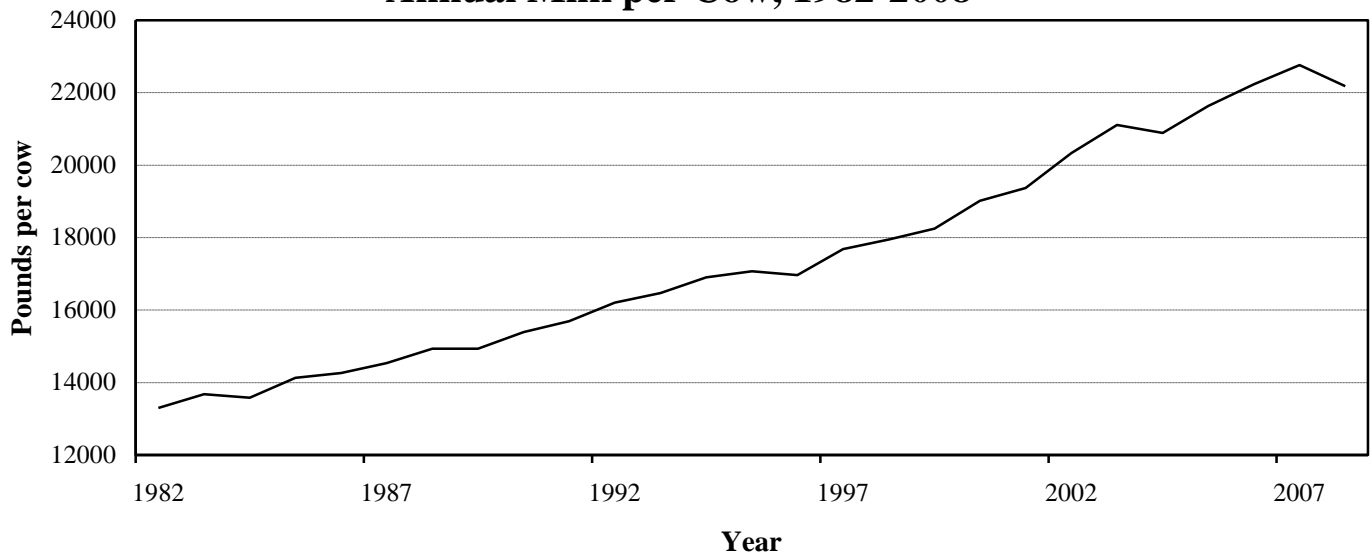
Milk prices during the year averaged \$19.20 per cwt., down \$0.50 from 2007. Cash receipts from milk sales totaled \$1,485.7 million, down .77 percent from 2007. Milk continued as the top ranked Michigan commodity in cash receipts.

Milk: Production, utilization, marketings, and value, 2004-2008

Item	Unit	2004	2005	2006	2007	2008
Production						
Total milk produced on farms	Million pounds	6,330	6,750	7,115	7,625	7,763
Milkfat produced	Million pounds	229.8	243.7	258.3	275.3	282.6
Milkfat	Percent	3.63	3.61	3.63	3.61	3.64
Utilization						
Milk used where produced						
Fed to calves	Million pounds	22	23	23	23	23
Used for milk, cream, and butter	Million pounds	3	2	2	2	2
Milk marketed by producers						
Average return per 100 pounds of milk	Dollars	16.30	15.40	13.30	19.70	19.20
Average return per pound milkfat	Dollars	4.49	4.27	3.66	5.46	5.27
Fluid grade	Percent	99	99	99	100	100
Total cash receipts	1,000 dollars	1,027,715	1,035,650	942,970	1,497,200	1,485,696
Value						
Value of milk used where produced ¹	1,000 dollars	4,075	3,850	3,325	4,925	4,800
Total value of milk produced	1,000 dollars	1,031,790	1,039,500	946,295	1,502,125	1,490,496

¹ Includes value of milk fed to calves and milk used by farm households.

Annual Milk per Cow, 1982-2008



Milk cows: Number by month, 2004-2008

Month	2004	2005	2006	2007	2008
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
January	300	306	314	329	344
February	300	308	314	328	344
March	300	309	316	329	345
April	301	311	318	331	347
May	302	312	320	332	350
June	302	313	322	334	351
July	303	313	322	336	352
August	303	314	320	338	352
September	303	314	321	339	352
October	304	313	321	341	353
November	306	313	323	343	353
December	307	314	326	344	354
Annual	303	312	320	335	350

Milk production: Total by month, 2004-2008

Month	2004	2005	2006	2007	2008
	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
January	534	546	593	640	657
February	498	511	542	576	605
March	543	564	602	645	645
April	531	569	588	636	638
May	547	597	614	654	677
June	530	574	601	638	653
July	542	579	610	655	669
August	532	578	589	649	655
September	506	550	578	620	630
October	526	563	589	638	651
November	508	546	585	626	628
December	533	573	624	648	655
Annual	6,330	6,750	7,115	7,625	7,763

Milk: Production per cow, by month, 2004-2008

Month	2004	2005	2006	2007	2008
	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>	<i>Pounds</i>
January	1,780	1,785	1,890	1,945	1,910
February	1,660	1,660	1,725	1,755	1,760
March	1,810	1,825	1,905	1,960	1,870
April	1,765	1,830	1,850	1,920	1,840
May	1,810	1,915	1,920	1,970	1,935
June	1,755	1,835	1,865	1,910	1,860
July	1,790	1,850	1,895	1,950	1,900
August	1,755	1,840	1,840	1,920	1,860
September	1,670	1,750	1,800	1,830	1,790
October	1,730	1,800	1,835	1,870	1,845
November	1,660	1,745	1,810	1,825	1,780
December	1,735	1,825	1,915	1,885	1,850
Annual	20,891	21,635	22,234	22,761	22,180

Dairy Products, by Region, 2004-2008

Product	Region	2004	2005	2006	2007	2008
		<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>	<i>Million pounds</i>
Cheese, total ¹	Central	3,943.1	3,998.7	4,030.8	4,081.4	4,352.1
Cheese, American type ²	Central	1,760.5	1,773.0	1,709.5	1,646.6	1,856.7
Cheese, Italian ³	Central	0.0	1,404.2	1,503.0	1,556.2	1,602.6
Butter ³	Central	0.0	608.2	645.3	663.4	686.4
Cottage cheese, lowfat	ENC	66.2	61.1	56.9	53.1	55.7
Cottage cheese, creamed	ENC	98.3	97.8	92.9	82.3	87.2
Cottage cheese curd	ENC	98.0	100.1	87.8	84.1	87.6
Yogurt, plain and flavored	ENC	913.0	1,014.1	1,083.4	1,244.2	1,193.7
Condensed skim milk, unsweetened, bulk ³	Central	0.0	249.5	303.5	393.3	379.4
Nonfat dry milk for human food	Central	154.5	194.3	159.3	160.5	190.6
Dry whey for human food	Central	455.6	450.2	477.9	497.5	476.7
		<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>	<i>1,000 gallons</i>
Ice cream, regular, hard	ENC	180,192	174,049	172,269	174,411	173,374
Ice cream, lowfat, total	ENC	110,475	115,034	117,701	110,386	116,754
Sherbet, hard	ENC	9,910	11,337	10,335	11,313	9,955
Frozen yogurt mix	ENC	4,294	4,210	4,066	3,808	4,211
Ice cream mix, regular	ENC	99,107	95,951	92,933	100,207	99,736
Ice cream mix, lowfat	ENC	62,374	64,670	68,485	60,982	62,250
Sherbet mix	ENC	6,272	7,241	6,535	7,190	6,322

¹ Excluding cottage cheese.

² Cheddar, Colby, washed curd, stirred curd, Monterey, and Jack.

³ Not available at Central district level in 2004.

Central: ND, SD, MN, NB, IA, KS, MO, KY, OK, AK, TN, TX, LA, MS, AL, IL, IN, MI, OH, WI

ENC: IL, IN, MI, OH, and WI

Hogs and Pigs

Michigan ranked fourteenth in the nation in terms of total hog and pig inventory, based on the December 1, 2008 inventory of 1.02 million hogs and pigs. Breeding inventory averaged 10 percent of the total inventory, while market hogs made up the remaining 90 percent.

During the period from December 2007 through November 2008, a total of 211,000 sows farrowed, 1,000 more sows than the previous year. The litter rate averaged 9.51 pigs per litter, up 4

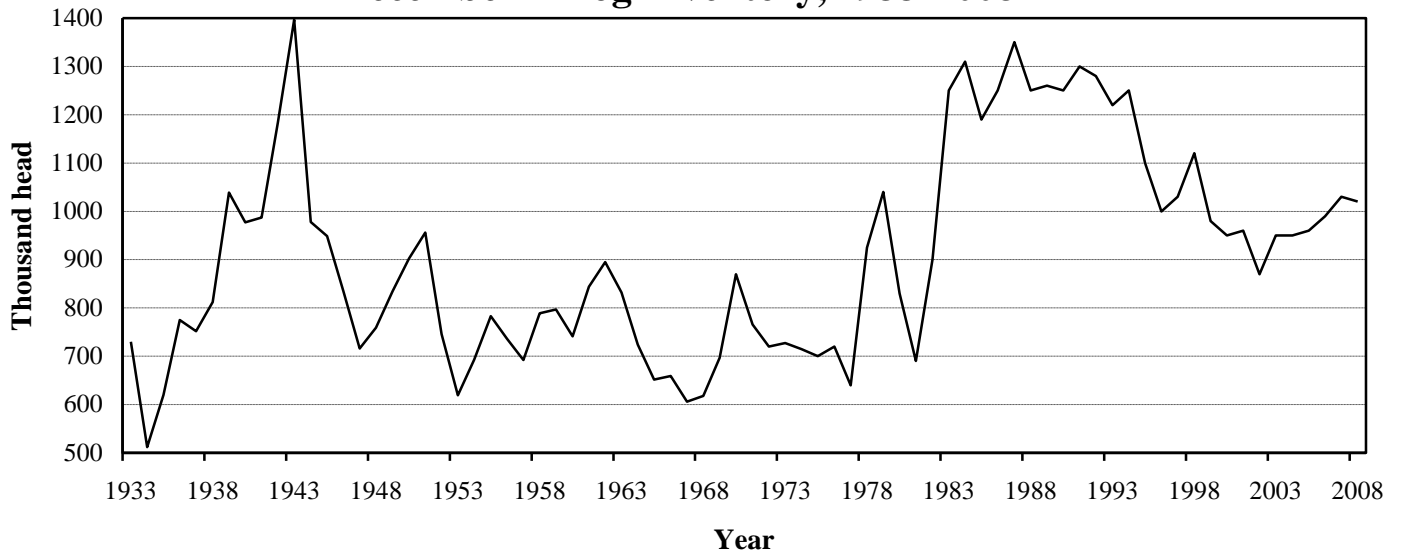
percent from a year earlier. The resulting Michigan 2008 pig crop totaled 2.006 million head, up 5 percent from the previous year.

Michigan hog production totaled 576.1 million pounds in 2008, up 4.7 percent from 2007. Marketings of all hogs and pigs totaled 582.4 million pounds in 2008, up 5 percent from 2007. Michigan hog producers received an average of \$42.50 per cwt for 2008, compared with the 2007 average price of \$41.10 per cwt. Cash receipts generated from hogs and pigs totaled \$250.9 million, up 7.6 percent from a year earlier.

Hogs and pigs: Inventory, 2005-2009

Month and year	Market hogs and pigs					Breeding stock	Total hogs and pigs
	Under 60 pounds	60-119 pounds	120-179 pounds	180 lbs and over	Total market		
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
March 1							
2005	325	190	160	145	820	100	920
2006	315	200	175	170	860	100	960
2007	300	210	175	185	870	110	980
2008	315	220	170	175	880	100	980
2009	350	225	155	190	920	110	1,030
June 1							
2005	310	200	155	145	810	100	910
2006	335	195	175	175	880	100	980
2007	325	215	190	180	910	110	1,020
2008	325	230	185	190	930	100	1,030
September 1							
2005	320	195	165	150	830	100	930
2006	300	220	180	180	880	100	980
2007	335	230	230	185	980	100	1,080
2008	355	240	185	170	950	100	1,050
December 1							
2005	315	205	175	165	860	100	960
2006	295	225	170	190	880	110	990
2007	315	235	200	180	930	100	1,030
2008	310	240	175	185	910	110	1,020

December 1 Hog Inventory, 1933-2008



Hogs and pigs: Sows farrowing and pig crop, 2004-2009

Year	December-February ¹			March-May		
	Sows farrowing	Pigs per litter	Pig crop	Sows farrowing	Pigs per litter	Pig crop
	<i>1,000 head</i>	<i>head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>head</i>	<i>1,000 head</i>
2005	44	9.00	396	45	9.00	405
2006	48	9.30	446	47	9.20	432
2007	49	8.75	429	53	9.00	477
2008	52	9.45	491	53	9.70	514
2009	53	9.70	514	53	9.65	511
	June-August			September-November		
2004	48	9.20	442	46	9.20	423
2005	48	9.25	444	47	9.20	432
2006	48	9.15	439	50	8.95	448
2007	55	9.20	506	53	9.45	501
2008	53	9.25	490	53	9.65	511

¹ December of previous year.

Hogs and pigs: Balance sheet, 2004-2008

Year	Beginning inventory	Dec-Nov pig crop	Inshipments	Marketings ¹	Farm slaughter ²	Deaths	Number on hand December 1
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
2004	950	1,684	345	1,957	4	68	950
2005	950	1,677	255	1,854	4	64	960
2006	960	1,765	186	1,846	4	71	990
2007	990	1,913	233	2,024	4	78	1,030
2008 ³	1,030	2,006	172	2,106	4	78	1,020

¹ Includes custom slaughter and state outshipments, but excludes sales within Michigan.

² Excludes custom slaughter for farmers at commercial establishments.

³ Categories do not add due to a revision to December 1, 2007 inventory in June 2008.

Hogs and pigs: Production and income, 2004-2008

Year	Production ¹	Marketings ²	Average price per cwt	Value of production	Cash receipts ³	Value of home consumption	Gross income
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2004	488,241	507,050	45.90	220,981	238,274	465	238,739
2005	471,420	478,725	46.70	219,390	229,852	474	230,326
2006	482,308	481,060	42.00	201,668	205,669	426	206,095
2007	549,965	558,570	41.10	223,478	233,132	438	233,570
2008	576,069	582,350	42.50	244,087	250,885	455	251,340

¹ Adjustments made for changes in inventory and for inshipments.

² Excludes custom slaughter for use on farms where produced and inter-farm sales within the state.

³ Receipts from marketing and sales of farm slaughter. Includes allowance for higher average price of outshipments of feeder pigs.

Honey

Michigan honey production for 2008 totaled 5.18 million pounds, up 12 percent from 2007. This estimate included honey from producers with 5 or more colonies. Nationally, Michigan ranked seventh in honey production in 2008, up from ninth in 2007. Yields from Michigan's 71,000 colonies producing honey

averaged 73 pounds in 2008, compared with 64 pounds the previous year.

Michigan honey price averaged \$1.43 per pound, up 24 cents per pound from last year. Value of production totaled \$7.41 million, up 35 percent from 2007. Honey stocks were 2.02 million pounds, down 14 percent from 2007.

Honey: Production and value, 2004-2008 ¹

Year	Honey producing colonies	Yield per colony	Production	Price per pound	Value of production	Stocks Dec 15 ²
	<i>Thousands</i>	<i>Pounds</i>	<i>1,000 pounds</i>	<i>Cents</i>	<i>1,000 dollars</i>	<i>1,000 pounds</i>
2004	65	67	4,355	116	5,052	2,439
2005	65	68	4,420	94	4,155	2,519
2006	72	55	3,960	115	4,554	2,099
2007	72	64	4,608	119	5,484	2,350
2008	71	73	5,183	143	7,412	2,021

¹ Includes only producers with 5 or more colonies.

² Stocks held by producers.

Mink

Mink: Farms, pelts produced and females bred to produce kits, 2005-2009

Year	2005	2006	2007	2008	2009
	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>	<i>Number</i>
Farms	7	9	9		(¹)
Pelts produced	55,500	54,000	52,600	45,500	(¹)
Females bred to produce kits	11,500	12,100	12,330	10,300	10,900

¹ Published in July 2010.

Poultry

The combined value of production in Michigan from eggs and other chickens (primarily culled layers) during 2008 was \$211.5 million, up 36 percent from a year earlier. Egg production totaled 2.7 billion eggs, up 4 percent from last year. The market egg price

averaged 96 cents per dozen, up 23 cents from 2007. The number of chickens sold was 2.4 million birds in 2007, down 31 percent from last year.

Chickens: Layers on hand, December 1, 2004-2008

Class	2004	2005	2006	2007	2008
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
Total layers	7,720	8,357	9,218	9,141	9,638
Pullets not of laying age	1,615	1,752	2,156	1,835	1,890
Other chickens	1	1	1	1	1
All chickens (excluding broilers)	9,336	10,110	11,375	10,977	11,529

Turkeys: Number raised and production, 2004-2008 ¹

Year	Number raised ²	Pounds produced
	<i>Thousands</i>	<i>1,000 pounds</i>
2004	4,900	183,750
2005	4,600	172,500
2006	4,700	178,600
2007	5,100	191,760
2008 ³		

¹ December 1 previous year through November 30.

² Based on turkeys placed Sep 1 through Aug 31. Excludes young turkeys lost.

³ Estimate no longer published.

All eggs: Production and value, 2004-2008 ¹

Year	Eggs produced	Price per dozen	Value of production
	<i>Million</i>	<i>Dollars</i>	<i>1,000 dollars</i>
2004	2,009	0.563	94,313
2005	2,142	0.347	61,870
2006	2,391	0.367	73,097
2007	2,563	0.727	155,371
2008	2,653	0.957	211,524

¹ December 1 previous year through November 30.

All egg production, by month, 2004-2008

Month	2004	2005	2006	2007	2008
	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>	<i>Million eggs</i>
December	165	174	194	214	225
January	162	163	190	208	217
February	150	160	177	195	204
March	166	185	204	223	226
April	167	176	193	217	215
May	172	188	199	219	216
June	170	187	195	205	213
July	175	186	202	212	226
August	172	179	208	211	227
September	164	177	204	207	221
October	171	182	214	227	233
November	175	185	211	225	230
Total ¹	2,009	2,142	2,391	2,563	2,653

¹ Sum of months may not add to total due to rounding.

All layers: Average number on hand during the month, 2004-2008

Month	2004	2005	2006	2007	2008
	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>	<i>1,000 head</i>
December	7,295	7,482	8,260	9,102	9,082
January	7,447	7,389	8,169	8,901	9,032
February	7,424	7,869	8,380	9,016	9,134
March	7,481	8,017	8,436	9,133	9,189
April	7,397	7,954	8,192	9,090	9,149
May	7,309	8,018	8,288	8,825	9,117
June	7,476	8,024	8,451	8,813	9,257
July	7,652	8,022	8,521	8,941	9,331
August	7,587	7,944	8,850	8,744	9,230
September	7,626	7,798	9,121	8,789	9,191
October	7,613	7,770	9,117	8,950	9,348
November	7,603	8,117	9,146	9,088	9,590
Annual ¹	7,493	7,867	8,578	8,949	9,221

¹ December 1 previous year through November 30.

Sheep and Goats

All sheep and lamb inventory in Michigan on January 1, 2009 was estimated at 78,000 head, down 4,000 head from the previous year. The breeding sheep inventory was 60,000 head. Market sheep and lambs totaled 18,000 head, down 1,000 from the previous year. The 2008 Michigan lamb crop (lambs born October 1, 2006 through September 30, 2007) was 65,000 head, down 3,000 from a year ago.

Sheep and lamb value of production was \$4.03 million for 2008. Cash receipts totaled \$4.27 million. All sheep and lambs were valued at \$165 per head, up \$9 from the previous year.

Sheep shorn in 2008 totaled 67,000 head. The weight per fleece was 6.0 pounds, down 0.1 pounds from a year ago. Total wool production in Michigan was 400,000 pounds. Wool production was valued at \$136,000. The average price per pound was \$0.34, down \$0.02 from 2007.

Sheep and lambs: Number on farms by class, January 1, 2005-2009

Class	2005	2006	2007	2008	2009
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>
Breeding sheep 1 year and older					
Ewes	46	48	47	48	47
Rams	2	3	3	3	3
Replacement lambs	12	12	11	12	10
Total market sheep and lambs	23	21	20	19	18
All sheep and lambs	83	84	81	82	78

Sheep and lambs: Lamb crop, 2004-2008

Year	Breeding ewes ¹	Lambs per 100 ewes ¹	Lamb crop
	<i>1,000 Head</i>	<i>Number</i>	<i>1,000 Head</i>
2004	45	136	61
2005	46	139	64
2006	48	123	59
2007	47	145	68
2008	48	135	65

¹ Ewes 1 year and older January 1.

Sheep and lambs: Balance sheet, 2004-2008

Year	All sheep and lambs on hand January 1	Lamb crop	Inshipments	Marketings ¹		Farm slaughter ²	Deaths		All sheep and lambs on hand following January 1
				Sheep	Lambs		Sheep	Lambs	
	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>	<i>1,000 Head</i>
2004	84	61	3.0	12.5	41.0	2.5	3.0	6.0	83
2005	83	64	2.0	5.5	45.0	2.5	4.0	8.0	84
2006	84	59	3.0	10.5	42.0	2.5	3.0	7.0	81
2007	81	68	3.0	6.5	49.0	2.5	4.0	8.0	82
2008	82	65	2.5	9.5	49.5	2.5	3.0	7.0	78

¹ Includes custom slaughter and state outshipments, but excludes sales within Michigan.

² Excludes custom slaughter for farmers at commercial establishments.

Sheep and lambs: Production and income, 2004-2008

Year	Production ¹	Marketings ²	Average price per cwt		Value of production	Cash receipts ³	Value of home consumption	Gross income
			Sheep	Lambs				
	<i>1,000 pounds</i>	<i>1,000 pounds</i>	<i>Dollars</i>	<i>Dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>	<i>1,000 dollars</i>
2004	5,002	5,010	40.00	94.00	4,077	3,899	455	4,354
2005	5,078	4,620	45.00	105.00	4,697	4,455	388	4,843
2006	4,415	4,693	36.00	87.00	3,334	3,467	321	3,788
2007	5,038	4,828	32.00	93.00	4,186	4,034	354	4,388
2008	4,935	5,258	29.00	95.00	4,027	4,274	302	4,576

¹ Adjustments made for changes in inventory and for inshipments.

² Excludes custom slaughter for use on farms where produced and inter-farm sales within the state.

³ Receipts from marketings and sale of farm slaughter.

Sheep and lambs: Wool production and value, 2004-2008

Year	Sheep shorn	Weight per fleece	Production	Price per pound	Value of production ¹
	<i>1,000 Head</i>	<i>Pounds</i>	<i>1,000 Pounds</i>	<i>Cents</i>	<i>1,000 Dollars</i>
2004	77	5.8	450	45	198
2005	81	5.9	480	39	187
2006	71	6.1	430	45	194
2007	70	6.1	430	36	155
2008	67	6.0	400	34	136

¹ Production multiplied by marketing year average price.

Goats: Number by class, January 1, 2005-2009

Year	Angora	Milk	Meat and other
	<i>Head</i>	<i>Head</i>	<i>Head</i>
2005	1,000.0	7,500	9,300
2006	1,000.0	8,000	10,000
2007	1,000.0	8,600	11,000
2008	(¹)	8,400	12,000
2009	(¹)	8,700	12,500

¹ Not published.

Trout

The value of all trout sold and distributed in Michigan was \$1,027,000 of trout in 2008. This was a \$179,000 increase from last season.

Trout 12 inches or longer had sales of 296,000 pounds with an average liveweight of 1.0 pound per fish. Sales of trout 12 inches or longer were valued at \$864,000 for an average value of \$2.92 per pound.

For trout between 6 and 12 inches and between 1 and 6 inches, information was not published separately to avoid disclosure of individual operations.

Losses of trout in Michigan amounted to 144,000 fish, weighing 75,000 pounds.

The number of operations by State will no longer be published on an annual basis. State level numbers will only be published in conjunction with the Census of Agriculture every five years. The number of operations at the U.S. level will continue to be published on an annual basis. Operations for 2008 were revised at the U.S. and State level based on the Census of Agriculture. No new information is available to revise operations data for prior years.

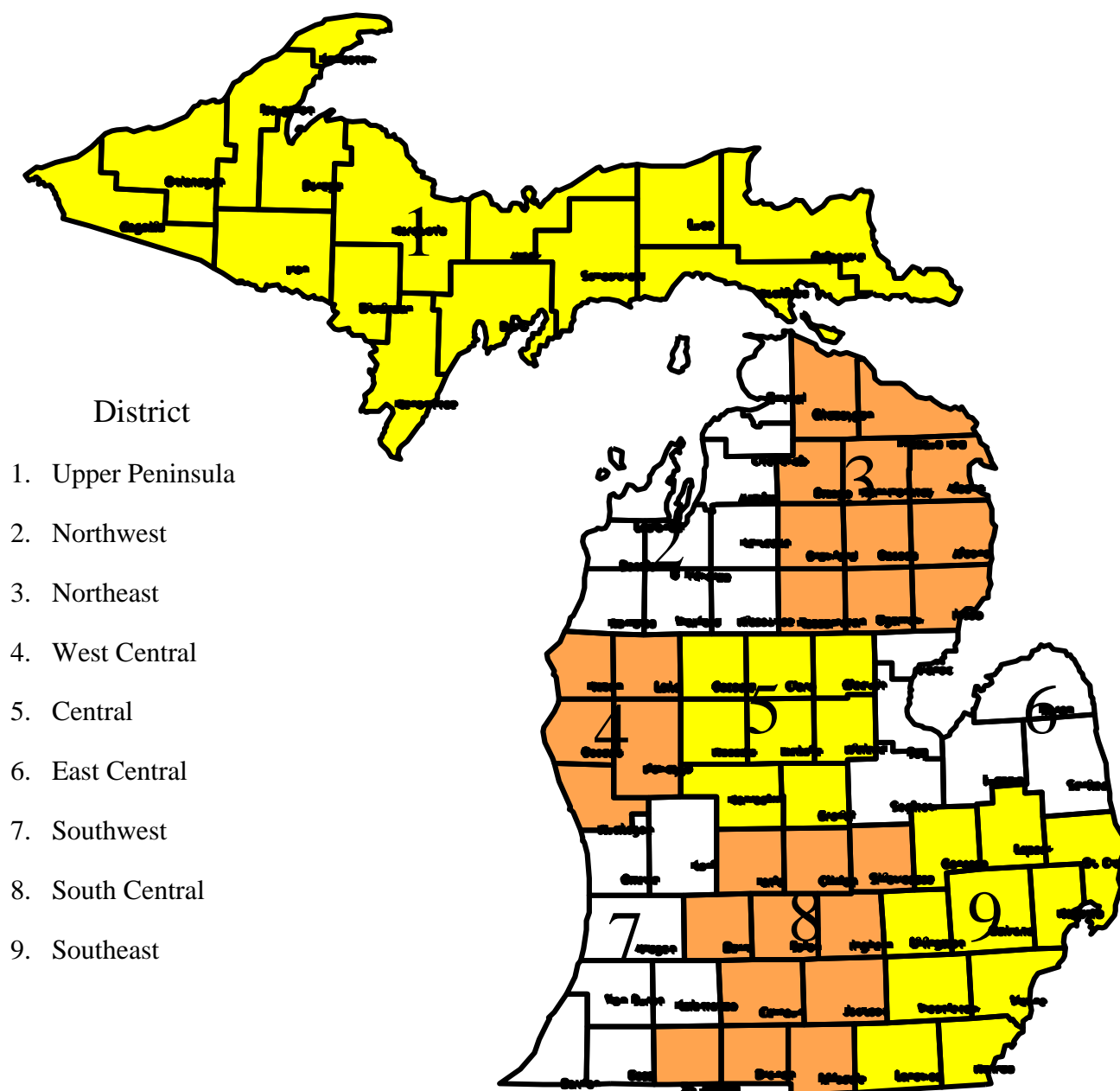
State level numbers for percent sold by point of first sale and trout lost by cause have been discontinued. Distributed trout eggs by region and the U.S. have also been discontinued for 2008.

Trout: Sales, 12 inches or longer , 2004-2008

Size category	Number of fish sold	Live weight	Sales	
			Total	Average per pound
	<i>1,000</i>	<i>1,000</i>	<i>1,000 dollars</i>	<i>Dollars</i>
2004	285	305	601	1.97
2005	255	295	634	2.15
2006	320	304	620	2.04
2007	240	236	675	2.86
2008	300	296	864	2.92

Agricultural Statistics Districts

The State is divided into nine Agricultural Statistics Districts to make data comparison easier. An Agricultural Statistics District is a contiguous group of counties having relatively similar agricultural characteristics. Each district has within it more homogeneous agriculture than the State as a whole. They are numbered from north to south and west to east.



Principal counties for field crops, 2008 ¹

Rank	Corn for grain	Dry beans	Hay ²	Oats	Soybeans	Sugarbeets	Wheat
1	Huron	Huron	Sanilac	Presque Isle	Sanilac	Huron	Huron
2	Saginaw	Tuscola	Osceola	Sanilac	Saginaw	Sanilac	Sanilac
3	Sanilac	Bay	Isabella	Shiawassee	Lenawee	Tuscola	Lenawee
4	Tuscola	Sanilac	Lapeer	Grand Traverse	Tuscola	Saginaw	Tuscola
5	Lenawee	Gratiot	Ottawa	Isabella	Gratiot	Bay	Saginaw

¹ Based on total production.

² Based on 2007 Census of Agriculture.

Principal counties for livestock ¹

Rank	January 1, 2009 Cattle and Calves	January 1, 2008 Hogs and pigs	January 1, 2009 Milk cows
1	Huron	Allegan	Huron
2	Allegan	Cass	Clinton
3	Sanilac	Branch	Allegan
4	Clinton	Gratiot	Sanilac
5	Ionia	Ottawa	Ionia

¹ Based on number of head.

Principal counties for fruits and vegetables, 2007 ¹

Rank	Apples	Blueberries	Grapes	Tart Cherries	Asparagus	Cucumbers, processing	Snap beans, processing
1	Kent	Van Buren	Berrien	Oceana	Oceana	Saginaw	St. Joseph
2	Berrien	Ottawa	Van Buren	Leelanau	Mason	Bay	Branch
3	Ottawa	Allegan	Cass	Antrim	Van Buren	St. Joseph	Oceana
4	Van Buren	Muskegon	Leelanau	Grand Traverse	Cass	Montcalm	Tuscola
5	Oceana	Berrien	Kalamazoo	Berrien	Manistee	Branch	Genesee

¹ Based on acres from 2007 Census of Agriculture.

Barley: Acreage, yield, and production, by county, 2007-2008 ¹

County and district	2007				2008			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>
Alger					500	450	44	20
Chippewa	700	700	43	30				
Delta	1,500	1,500	66	99	1,200	1,150	36	41
Menominee	2,100	2,100	48	100	1,600	1,450	40	58
Other counties ²	2,500	2,500	44	111	1,400	1,250	41	51
Upper Peninsula	6,800	6,800	50	340	4,700	4,300	40	170
Northwest	500	500	50	25	900	800	41	33
Alpena	500	500	48	24				
Presque Isle	500	450	36	16				
Other counties ²	1,200	1,150	50	57				
Northeast	2,200	2,100	46	97	1,900	1,700	45	76
Central	800	800	54	43	1,400	1,100	50	55
East Central	1,400	1,200	60	72	900	500	66	33
South Central	1,000	600	50	30	1,300	800	59	47
Southeast	700	700	57	40				
Other districts ²	600	300	53	16	900	800	58	46
Michigan	14,000	13,000	51	663	12,000	10,000	46	460

¹ Estimates not published for counties with less than 500 acres.

² Estimates not published separately because of insufficient data or to avoid disclosure of individual operations.

Corn: Acreage, yield, and production, by county, 2007 ¹

County and district	Planted for all purposes	Grain			Silage		
		Harvested	Yield	Production	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>
Delta	4,300	3,200	89	285	900	9.4	8,500
Marquette	700						
Menominee	16,600	8,300	77	640	8,000	9.6	77,000
Other counties ²	3,400	1,500	70	105	2,600	9.4	24,500
Upper Peninsula	25,000	13,000	79	1,030	11,500	9.6	110,000
Antrim	3,600	2,600	65	170			
Benzie	1,500	1,000	45	45			
Charlevoix	3,700	2,900	81	235	700	14.3	10,000
Emmet	2,600	1,600	75	120			
Grand Traverse	7,600	6,300	44	280			
Leelanau	3,200	2,500	56	140			
Manistee	2,600	2,100	64	135			
Missaukee	17,500	6,100	94	575	11,100	13.2	147,000
Other counties ²	5,700	4,400	39	170	5,700	8.9	51,000
Northwest	48,000	29,500	63	1,870	17,500	11.9	208,000
Alpena	7,700	5,000	82	410	2,500	12.4	31,000
Iosco	8,800	6,800	110	750	1,700	12.9	22,000
Montmorency	2,100	1,800	83	150			
Ogemaw	10,000	6,900	116	800	2,900	14.5	42,000
Otsego	1,000	700	56	39			
Presque Isle	6,400	5,300	81	430			
Other counties ²	5,000	2,500	76	191	3,900	11.5	45,000
Northeast	41,000	29,000	96	2,770	11,000	12.7	140,000
Mason	15,000	11,300	109	1,230	3,400	13.8	47,000
Muskegon	20,700	12,800	106	1,360	7,500	15.9	119,000
Newaygo	31,200	20,300	102	2,070	10,300	13.1	135,000
Other counties ²	14,100	11,100	89	990	2,800	13.9	39,000
West Central	81,000	55,500	102	5,650	24,000	14.2	340,000
Gratiot	102,000	92,500	125	11,600	9,100	14.6	133,000
Isabella	49,500	43,600	117	5,080	5,600	14.3	80,000
Mecosta	24,500	20,100	100	2,020	4,200	11.4	48,000
Midland	26,500	24,900	134	3,340			
Montcalm	69,000	60,600	110	6,650	8,000	14.5	116,000
Osceola	9,200	4,100	98	400	5,000	13.6	68,000
Other counties ²	14,300	11,200	108	1,210	4,100	13.4	55,000
Central	295,000	257,000	118	30,300	36,000	13.9	500,000
Arenac	21,000	19,100	115	2,200			
Bay	59,000	56,800	122	6,950			
Huron	128,000	102,000	147	15,000	25,500	17.4	444,000
Saginaw	111,000	108,500	144	15,600	1,700	18.8	32,000
Sanilac	111,000	95,300	133	12,700	15,400	15.1	232,000
Tuscola	100,000	95,300	134	12,750	4,400	13.9	61,000
Other counties ²					3,500	14.6	51,000
East Central	530,000	477,000	137	65,200	50,500	16.2	820,000

See footnote(s) at end of table.

--continued

Corn: Acreage, yield, and production, by county, 2007 ¹ (continued)

County and district	Planted for all purposes	Grain			Silage		
		Harvested	Yield	Production	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>
Allegan	97,000	77,600	110	8,550	19,100	12.9	247,000
Berrien	49,000	47,800	137	6,550			
Cass	79,000	78,100	124	9,650			
Kalamazoo	59,000	55,100	109	6,000			
Kent	45,000	35,500	115	4,100	9,200	15.4	142,000
Ottawa	50,000	36,500	118	4,300	13,300	13.3	177,000
Van Buren	41,000	38,400	113	4,350			
Other counties ²					7,400	14.1	104,000
Southwest	420,000	369,000	118	43,500	49,000	13.7	670,000
Barry	49,000	39,700	115	4,550	9,000	15.7	141,000
Branch	96,000	93,000	114	10,600			
Calhoun	88,000	83,900	109	9,150	3,900	14.9	58,000
Clinton	84,000	66,100	124	8,200	17,500	17.3	303,000
Eaton	68,000	66,000	118	7,800			
Hillsdale	79,000	71,500	113	8,100	7,300	15.3	112,000
Ingham	58,000	52,700	118	6,200	5,100	14.5	74,000
Ionia	86,000	73,000	132	9,600	12,800	15.2	195,000
Jackson	62,000	57,100	103	5,900	4,500	12.9	58,000
St Joseph	91,000	87,600	138	12,100	3,100	14.8	46,000
Shiawassee	64,000	59,400	130	7,700	4,300	17.4	75,000
Other counties ²					4,500	15.1	68,000
South Central	825,000	750,000	120	89,900	72,000	15.7	1,130,000
Genesee	34,000	32,800	120	3,950			
Lapeer	41,500	36,700	110	4,050	4,800	13.5	65,000
Lenawee	115,000	104,500	144	15,100	10,000	17.8	178,000
Livingston	23,000	20,600	107	2,200	2,200	14.1	31,000
Macomb	13,500	12,700	110	1,400			
Monroe	74,000	73,300	154	11,300	500	18.0	9,000
St Clair	32,000	30,100	111	3,350	1,800	10.6	19,000
Washtenaw	47,000	44,700	128	5,700	2,200	14.5	32,000
Other counties ²	5,000	4,600	120	550	2,000	13.0	26,000
Southeast	385,000	360,000	132	47,600	23,500	15.3	360,000
Michigan	2,650,000	2,340,000	123	287,820	295,000	14.5	4,278,000

¹ Estimates not published for counties with less than 500 acres.

² Estimates not published separately because of insufficient data or to avoid disclosure of individual operations.

Corn: Acreage, yield, and production, by county, 2008 ¹

County and district	Planted for all purposes	Grain			Silage		
		Harvested	Yield	Production	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>
Delta	3,500	2,200	64	140	1,300	15.5	20,000
Menominee	16,500	8,900	76	675	7,500	11.0	84,000
Other counties ²	4,000	1,800	58	105	2,200	12.0	26,000
Upper Peninsula	24,000	12,900	71	920	11,000	12.0	130,000
Antrim	3,600	2,700	81	220			
Benzie	1,700	1,400	79	110			
Charlevoix	2,900	2,400	79	190	500	12.0	6,000
Emmet	1,700	1,100	89	98			
Grand Traverse	7,400	6,200	77	480			
Leelanau	2,900	2,500	84	210			
Missaukee	18,800	8,800	122	1,070	9,900	13.5	135,000
Wexford	5,600	4,800	83	400			
Other counties ²	2,400	1,900	75	142	4,600	9.6	44,000
Northwest	47,000	31,800	92	2,920	15,000	12.5	185,000
Alpena	6,700	4,600	109	500			
Iosco	8,000	6,200	131	810	1,700	17.0	29,000
Montmorency	2,100	1,800	106	190			
Ogemaw	11,100	8,000	139	1,110	3,000	10.5	31,000
Presque Isle	5,800	4,900	104	510			
Other counties ²	5,300	3,300	94	310	5,300	13.0	70,000
Northeast	39,000	28,800	119	3,430	10,000	13.0	130,000
Mason	14,800	12,100	99	1,200	2,600	16.0	42,000
Muskegon	19,600	12,900	119	1,540	6,600	13.5	90,000
Newaygo	30,600	21,100	108	2,280	9,300	16.5	155,000
Other counties ²	15,000	12,400	91	1,130	2,500	13.0	33,000
West Central	80,000	58,500	105	6,150	21,000	15.0	320,000
Clare	4,900	3,200	109	350			
Gladwin	8,700	7,900	138	1,090			
Gratiot	92,000	84,500	138	11,700	7,200	20.0	145,000
Isabella	42,000	36,800	134	4,940	5,000	14.0	70,000
Mecosta	25,000	20,700	108	2,240	4,200	13.5	56,000
Midland	23,000	21,700	151	3,280			
Montcalm	65,500	58,500	126	7,390	6,700	17.5	118,000
Osceola	8,900	4,700	109	510	4,200	14.0	58,000
Other counties ²					3,700	17.0	63,000
Central	270,000	238,000	132	31,500	31,000	16.5	510,000
Arenac	20,000	18,200	165	3,000			
Bay	49,000	47,200	163	7,700			
Huron	123,000	101,000	174	17,600	21,500	21.0	450,000
Saginaw	97,000	94,900	161	15,300			
Sanilac	103,000	89,600	171	15,300	13,000	19.0	250,000
Tuscola	88,000	84,100	174	14,600			
Other counties ²					8,500	16.5	140,000
East Central	480,000	435,000	169	73,500	43,000	19.5	840,000

See footnote(s) at end of table.

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Corn: Acreage, yield, and production, by county, 2008 ¹ (continued)

County and district	Planted for all purposes	Grain			Silage		
		Harvested	Yield	Production	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>	<i>Acres</i>	<i>Tons</i>	<i>Tons</i>
Allegan	92,000	76,100	147	11,200			
Berrien	44,000	42,900	148	6,350			
Cass	75,000	74,300	148	11,000			
Kalamazoo	55,000	52,000	120	6,250			
Kent	42,000	34,400	134	4,600	7,500	16.5	125,000
Ottawa	46,000	34,900	117	4,070	10,900	14.0	155,000
Van Buren	36,000	33,900	142	4,830			
Other counties ²					21,600	18.0	390,000
Southwest	390,000	348,500	139	48,300	40,000	17.0	670,000
Barry	46,000	38,300	131	5,020	7,500	18.5	140,000
Branch	83,000	80,300	122	9,820			
Calhoun	75,000	71,200	109	7,730	3,500	17.0	59,000
Clinton	77,000	62,200	142	8,830	14,500	20.5	300,000
Eaton	58,000	56,400	129	7,250			
Hillsdale	67,000	60,700	124	7,520			
Ingham	48,000	43,400	129	5,580			
Ionia	81,000	70,200	148	10,400	10,500	14.5	150,000
Jackson	54,000	50,300	111	5,590	3,500	15.0	52,000
St Joseph	84,000	80,700	114	9,200	2,900	22.0	64,000
Shiawassee	57,000	53,300	147	7,860	3,500	15.0	52,000
Other counties ²					14,100	14.5	203,000
South Central	730,000	667,000	127	84,800	60,000	17.0	1,020,000
Genesee	33,000	32,200	138	4,430			
Lapeer	40,000	36,100	150	5,420			
Lenawee	99,000	90,100	134	12,100	8,500	17.5	150,000
Livingston	20,500	18,600	126	2,350	1,800	14.0	25,000
Macomb	12,500	11,800	160	1,890			
Monroe	59,000	58,300	139	8,130			
St Clair	31,500	30,000	159	4,780			
Washtenaw	41,000	39,000	110	4,280	1,800	18.5	33,000
Other counties ²	3,500	3,400	124	420	6,900	16.0	112,000
Southeast	340,000	319,500	137	43,800	19,000	17.0	320,000
Michigan	2,400,000	2,140,000	138	295,320	250,000	16.5	4,125,000

¹ Estimates are not published for counties with less than 500 acres.

² Estimates not published separately because of insufficient data or to avoid disclosure of individual operations.

Dry edible beans, all: Acreage, yield, and production, by county, 2007-2008 ¹

County and district	2007				2008			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>1,000 cwt</i>	<i>Acres</i>	<i>Acres</i>	<i>Pounds</i>	<i>1,000 cwt</i>
Other counties ²	1,500	1,400	640	9	1,200	1,100	820	9
Upper Peninsula	1,500	1,400	640	9	1,200	1,100	820	9
Alpena	900	800	880	7				
Presque Isle	800	800	750	6				
Other counties ²	1,900	1,800	890	16				
Northeast	3,600	3,400	850	29				
Gratiot	9,300	9,300	1,260	117	9,400	9,200	1,350	124
Isabella	2,900	2,800	1,320	37	2,900	2,800	1,210	34
Midland	3,100	3,000	1,730	52	4,100	4,100	1,390	57
Montcalm	7,800	7,700	1,450	112	9,300	9,200	1,350	124
Other counties ²	1,500	1,500	1,270	19	4,600	4,400	1,480	65
Central	24,600	24,300	1,390	337	27,400	26,900	1,380	370
Arenac	5,600	5,500	1,250	69	5,300	5,200	1,770	92
Bay	20,000	19,400	1,550	300	19,400	18,700	1,900	355
Huron	78,400	77,000	1,740	1,340	79,200	77,500	2,030	1,570
Saginaw	7,500	7,400	1,500	111	6,000	5,800	1,620	94
Sanilac	17,600	17,500	1,710	300	17,000	16,300	1,870	305
Tuscola	35,900	34,200	1,610	550	36,100	35,500	1,980	704
East Central	165,000	161,000	1,660	2,670	163,000	159,000	1,960	3,120
Kent	1,700	1,500	1,670	25	1,500	1,400	1,710	24
Southwest	1,700	1,500	1,670	25	1,500	1,400	1,710	24
Shiawassee	800	700	1,570	11				
Other counties ²	1,200	1,200	1,500	18	2,000	1,900	1,530	29
South Central	2,000	1,900	1,530	29	2,000	1,900	1,530	29
Other counties ²	1,100	1,000	1,700	17				
Southeast	1,100	1,000	1,700	17	900	800	1,750	14
Other districts ²	500	500	800	4	4,000	3,900	1,050	41
Michigan	200,000	195,000	1,600	3,120	200,000	195,000	1,850	3,607

¹ Estimates not published for counties with less than 500 acres.

² Estimates not published separately because of insufficient data or to avoid disclosure of individual operations.

Oats: Acreage, yield, and production, by county, 2007-2008 ¹

County and district	2007				2008			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>
Chippewa	2,400	1,700	59	100	1,500	1,100	46	51
Delta	1,600	1,550	65	100				
Dickinson	600	550	45	25				
Mackinac	500	500	60	30	500	400	70	28
Menominee	2,000	1,300	58	75	1,900	1,500	57	85
Ontonagon					500	300	53	16
Other counties ²	3,900	2,900	45	130	5,100	4,500	56	250
Upper Peninsula	11,000	8,500	54	460	9,500	7,800	55	430
Antrim					800	800	56	45
Charlevoix	500	500	50	25	800	700	71	50
Emmet					500	300	47	14
Grand Traverse	1,400	1,300	40	52	2,000	2,000	68	135
Leelanau	500	350	40	14	600	600	58	35
Missaukee	800	750	51	38	1,200	800	44	35
Wexford	500	450	42	19	700	600	58	35
Other counties ²	1,300	1,050	40	42	400	400	28	11
Northwest	5,000	4,400	43	190	7,000	6,200	58	360
Alcona					700	500	80	40
Alpena	3,300	2,400	46	110				
Cheboygan					500	400	50	20
Iosco	1,100	1,000	55	55	1,600	900	72	65
Ogemaw	900	700	50	35	2,000	1,700	59	100
Presque Isle	3,800	3,800	50	190	3,800	3,700	69	255
Other counties ²	1,900	1,200	50	60	3,400	2,600	58	150
Northeast	11,000	9,100	49	450	12,000	9,800	64	630
Mason	900	700	64	45	1,100	900	56	50
Muskegon					700	650	69	45
Newaygo	900	700	53	37	1,100	1,000	67	67
Other counties ²	1,100	900	53	48	600	450	62	28
West Central	2,900	2,300	57	130	3,500	3,000	63	190
Clare	1,000	850	47	40				
Gladwin	900	800	51	41	900	900	67	60
Gratiot					700	650	54	35
Isabella	1,800	1,600	64	102	2,700	1,800	75	135
Mecosta	3,600	1,700	47	80				
Montcalm	4,000	2,300	42	97				
Osceola	800	500	34	17	700	600	58	35
Other counties ²	900	850	62	53	8,000	7,050	62	435
Central	13,000	8,600	50	430	13,000	11,000	64	700
Arenac	1,200	900	61	55	1,700	550	100	55
Bay					600	200	75	15
Huron	1,500	1,450	81	117	2,100	1,000	95	95
Sanilac	2,400	1,850	72	133	3,500	2,700	85	230
Tuscola	1,500	1,200	50	60				
Other counties ²	900	800	69	55	2,100	1,950	79	155
East Central	7,500	6,200	68	420	10,000	6,400	86	550

See footnote(s) at end of table.

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Oats: Acreage, yield, and production, by county, 2007-2008 ¹ (continued)

County and district	2007				2008			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>
Allegan	800	600	58	35	1,100	850	59	50
Kent	1,100	1,050	48	50	1,200	900	67	60
Ottawa	500	400	55	22	600	150	67	10
Other counties ²	800	650	51	33	1,100	700	57	40
Southwest	3,200	2,700	52	140	4,000	2,600	62	160
Barry					600	300	83	25
Branch					500	500	60	30
Calhoun	900	500	50	25				
Clinton	2,200	1,800	86	155				
Eaton	1,200	1,050	62	65	1,100	900	56	50
Hillsdale	900	400	50	20	1,300	1,200	75	90
Ionia	1,100	1,100	59	65	1,300	1,150	78	90
Jackson	800	700	57	40	1,000	700	79	55
St Joseph	1,000	200	45	9				
Shiawassee	1,700	1,500	80	120	2,000	1,900	82	155
Other counties ²	1,200	950	54	51	3,200	2,450	71	175
South Central	11,000	8,200	67	550	11,000	9,100	74	670
Lapeer	1,100	1,000	53	53	1,100	1,000	71	71
Lenawee					500	400	40	16
Monroe	700	600	88	53	600	500	80	40
St Clair	1,100	1,000	65	65	900	700	79	55
Washtenaw	800	800	68	54	600	400	75	30
Other counties ²	1,700	1,600	53	85	1,300	1,100	53	58
Southeast	5,400	5,000	62	310	5,000	4,100	66	270
Michigan	70,000	55,000	56	3,080	75,000	60,000	66	3,960

¹ Estimates not published for counties with less than 500 acres.

² Estimates not published separately because of insufficient data or to avoid disclosure of individual operations.

Soybeans: Acreage, yield, and production, by county, 2007-2008 ¹

County and district	2007				2008			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>
Upper Peninsula	5,100	5,000	14	70				
Antrim	500	500	18	9				
Charlevoix	600	500	16	8				
Grand Traverse	600	500	10	5				
Other counties ²	500	500	16	8				
Northwest	2,200	2,000	15	30				
Alpena	3,800	3,800	25	95	3,500	3,500	31.5	110
Iosco	1,900	1,900	32	60	2,100	2,000	33.0	66
Montmorency	2,200	2,100	29	60	2,300	2,300	35.5	82
Ogemaw	1,000	1,000	35	35	900	900	44.5	40
Presque Isle	3,600	3,600	22	80	4,100	4,000	27.5	110
Other counties ²	700	700	29	20	1,100	1,100	38.0	42
Northeast	13,200	13,100	27	350	14,000	13,800	32.5	450
Mason	3,000	3,000	35	105	3,800	3,700	28.5	105
Muskegon	6,000	6,000	38	225	6,100	6,100	33.5	205
Newaygo	4,500	4,400	36	160	5,700	5,700	30.0	170
Oceana	2,000	2,000	30	60	2,400	2,300	30.5	70
West Central	15,500	15,400	36	550	18,000	17,800	31.0	550
Clare	2,000	2,000	35	70				
Gladwin	5,000	5,000	37	185				
Griatiot	78,000	77,000	38	2,920	80,000	79,700	36.0	2,880
Isabella	41,000	41,000	37	1,500	42,000	42,000	36.5	1,530
Mecosta	2,000	1,500	23	34	2,200	2,200	27.5	60
Midland	16,500	16,500	42	700	18,000	18,000	40.5	730
Montcalm	19,000	18,500	31	580	20,000	19,800	35.0	690
Osceola	500	500	22	11				
Other counties ²					7,800	7,800	38.5	300
Central	164,000	162,000	37	6,000	170,000	169,500	36.5	6,190
Arenac	13,000	13,000	38	500	14,000	13,900	44.0	610
Bay	31,000	31,000	42	1,300	38,000	37,500	47.0	1,760
Huron	36,000	35,800	45	1,600	40,000	40,000	48.5	1,940
Saginaw	85,000	85,000	44	3,700	92,000	92,000	42.5	3,920
Sanilac	123,000	122,800	41	5,000	116,000	115,800	44.5	5,170
Tuscola	62,000	61,900	40	2,500	70,000	69,800	48.0	3,350
East Central	350,000	349,500	42	14,600	370,000	369,000	45.5	16,750
Allegan	43,000	42,800	39	1,650	44,000	43,800	35.5	1,560
Berrien	41,000	41,000	44	1,800	45,000	44,900	44.5	2,000
Cass	42,000	41,800	44	1,850	49,000	48,800	33.5	1,630
Kalamazoo	30,000	30,000	40	1,200	33,000	32,900	32.0	1,050
Kent	21,000	21,000	40	850	24,000	23,900	34.5	820
Ottawa	19,000	18,900	40	750	20,000	19,900	34.5	690
Van Buren	24,000	23,500	38	900	25,000	24,800	32.5	800
Southwest	220,000	219,000	41	9,000	240,000	239,000	36.0	8,550
Barry	29,000	28,900	38	1,100	28,000	27,500	31.5	870
Branch	62,000	62,000	40	2,500	72,000	71,800	30.5	2,190
Calhoun	62,000	61,900	40	2,500	73,000	72,600	27.5	1,980
Clinton	69,000	68,900	39	2,700	67,000	66,800	39.0	2,610
Eaton	61,000	61,000	42	2,550	67,000	65,000	33.5	2,170
Hillsdale	66,000	65,900	39	2,550	76,000	75,600	32.5	2,460
Ingham	51,000	51,000	41	2,100	53,000	52,800	34.5	1,830
Ionia	54,000	53,900	41	2,200	55,000	54,800	37.0	2,040
Jackson	36,000	35,800	38	1,350	42,000	41,700	26.5	1,110
St Joseph	45,000	44,800	44	1,950	50,000	49,800	41.5	2,070
Shiawassee	75,000	74,900	40	3,000	77,000	76,600	37.5	2,870
South Central	610,000	609,000	40	24,500	660,000	655,000	34.0	22,200

See footnote(s) at end of table.

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Soybeans: Acreage, yield, and production, by county, 2007-2008 ¹ (continued)

County and district	2007				2008			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>
Genesee	40,500	40,000	38	1,500	41,000	40,800	38.0	1,550
Lapeer	44,500	44,000	34	1,500	42,000	41,800	44.0	1,830
Lenawee	104,000	103,000	47	4,800	110,000	109,500	32.0	3,500
Livingston	17,500	17,500	37	650	17,000	16,900	33.0	560
Macomb	24,000	23,000	33	750	22,000	21,900	45.5	1,000
Monroe	71,000	71,000	42	2,950	77,000	76,600	32.0	2,460
Oakland	3,000	2,500	36	90	3,000	2,900	38.0	110
St Clair	69,000	68,000	35	2,400	60,000	59,800	44.5	2,660
Washtenaw	42,500	42,000	41	1,730	45,000	44,800	30.0	1,350
Wayne	4,000	4,000	33	130	3,000	3,000	26.5	80
Southeast	420,000	415,000	40	16,500	420,000	418,000	36.0	15,100
Other districts ²					8,000	7,900	17.5	140
Michigan	1,800,000	1,790,000	40.0	71,600	1,900,000	1,890,000	37.0	69,930

¹ Estimates not published for counties with less than 500 acres.

² Estimates not published separately because of insufficient data or to avoid disclosure of individual operations.

Sugarbeets: Acreage, yield, and production, by county, 2007-2008 ¹

County and district	2007				2008			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>1,000 Tons</i>	<i>Acres</i>	<i>Acres</i>	<i>Tons</i>	<i>1,000 Tons</i>
Northeast					300	300	36.7	11
Gladwin	1,000	1,000	17.0	17	900	900	22.2	20
Gratiot	11,200	11,000	21.1	232	10,100	10,000	24.0	240
Isabella	500	500	20.0	10	700	700	24.3	17
Midland	2,800	2,800	20.4	57	3,000	3,000	26.3	79
Montcalm	500	500	22.0	11	400	400	27.5	11
Central	16,000	15,800	20.7	327	15,100	15,000	24.5	367
Arenac	3,600	3,600	19.4	70	3,100	3,100	28.1	87
Bay	14,800	14,700	20.6	303	12,600	12,600	27.1	341
Huron	52,700	52,600	24.9	1,310	45,800	45,800	28.5	1,306
Saginaw	16,100	16,000	24.7	395	15,300	15,300	28.2	432
Sanilac	20,800	20,500	22.1	453	21,200	21,100	32.2	680
Tuscola	20,000	19,900	25.6	509	18,500	18,100	30.1	544
East Central	128,000	127,300	23.9	3,040	116,500	116,000	29.2	3,390
Clinton	2,250	2,250	20.0	45	700	500	28.0	14
Ionia	500	500	22.0	11	500	300	30.0	9
Shiawassee	750	750	18.7	14	1,300	1,300	30.0	39
South Central	3,500	3,500	20.0	70	2,500	2,100	29.5	62
Genesee					300	300	26.7	8
Lapeer	1,000	1,000	23.0	23	1,100	1,100	30.0	33
St Clair					1,200	1,200	26.7	32
Other counties ²	1,000	1,000	20.0	20				
Southeast	2,000	2,000	21.5	43	2,600	2,600	28.1	73
Other districts ²	500	400	17.5	7				
Michigan	150,000	149,000	23.4	3,487	137,000	136,000	28.7	3,903

¹ Estimates not published for counties with less than 500 acres.

² Estimates not published separately because of insufficient data or to avoid disclosure of individual operations.

Wheat: Acreage, yield, and production, by county, 2007-2008 ¹

County and district	2007				2008			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>
Ontonagon					700	700	54.5	38
Other counties ²					2,200	2,100	43.5	91
Upper Peninsula	2,800	2,600	46	120	2,900	2,800	46.0	129
Grand Traverse	1,700	1,600	36	57	1,800	1,800	53.0	95
Kalkaska					700	700	70.0	49
Missaukee	700	700	57	40	1,000	1,000	63.0	63
Other counties ²	1,400	1,400	38	53	1,600	1,400	39.5	55
Northwest	3,800	3,700	41	150	5,100	4,900	53.5	262
Alcona	1,400	1,400	64	89	2,000	2,000	60.5	121
Alpena	3,200	3,200	45	144	5,000	5,000	43.0	215
Iosco	1,800	1,700	66	113	3,000	3,000	58.0	174
Montmorency	800	800	54	43	1,200	1,200	56.0	67
Ogemaw	1,300	1,200	74	89	2,000	2,000	81.5	163
Otsego	500	400	50	20	1,000	1,000	51.0	51
Presque Isle	3,500	3,400	52	177	4,100	4,000	49.5	197
Other counties ²	200	200	75	15	700	700	38.5	27
Northeast	12,700	12,300	56	690	19,000	18,900	53.5	1,015
Mason	2,700	2,500	43	107	4,900	4,700	65.0	305
Muskegon	3,600	2,300	48	110	5,200	2,600	52.0	135
Newaygo	1,700	1,500	43	65				
Oceana	2,000	1,800	43	78	3,000	2,800	49.5	139
Other counties ²					2,900	2,200	61.5	135
West Central	10,000	8,100	44	360	16,000	12,300	58.0	714
Clare	900	900	53	48				
Gladwin	1,600	1,500	69	103	2,600	2,400	62.5	150
Gratiot	18,500	17,900	67	1,200	25,300	24,300	72.0	1,750
Isabella	17,300	16,900	58	975	21,300	21,100	72.0	1,520
Mecosta	1,400	1,400	43	60	1,900	1,900	59.5	113
Midland	4,900	4,700	72	340	7,000	6,900	74.0	511
Montcalm	12,500	12,400	52	649	14,800	14,800	63.0	932
Osceola	600	500	50	25				
Other counties ²					2,100	2,100	59.0	124
Central	57,700	56,200	60	3,400	75,000	73,500	69.5	5,100
Arenac	7,800	7,700	73	560	10,300	10,100	73.5	740
Bay	16,000	15,700	72	1,130	19,200	18,900	76.0	1,440
Huron	61,800	58,100	80	4,640	67,600	65,500	87.5	5,720
Saginaw	27,100	25,700	70	1,790	32,400	31,500	74.5	2,350
Sanilac	50,300	49,300	75	3,690	68,000	67,700	77.5	5,250
Tuscola	33,000	32,500	69	2,240	39,500	38,300	75.5	2,900
East Central	196,000	189,000	74	14,050	237,000	232,000	79.5	18,400
Allegan	7,100	6,900	48	329	11,200	11,000	62.5	685
Berrien	4,400	4,200	51	214	5,900	5,700	60.5	344
Cass	4,300	4,300	50	216	5,300	5,100	36.0	183
Kalamazoo	3,800	3,800	50	190	6,100	5,800	54.5	317
Kent	5,900	5,800	51	295	7,700	7,400	60.5	447
Ottawa	5,000	4,800	47	227	8,300	7,700	59.5	458
Van Buren	1,500	1,300	45	59	5,500	1,900	45.5	86
Southwest	32,000	31,100	49	1,530	50,000	44,600	56.5	2,520

See footnote(s) at end of table.

--continued

Wheat: Acreage, yield, and production, by county, 2007-2008 ¹ (continued)

County and district	2007				2008			
	Planted	Harvested	Yield	Production	Planted	Harvested	Yield	Production
	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>	<i>Acres</i>	<i>Acres</i>	<i>Bushels</i>	<i>1,000 Bu</i>
Barry	5,000	4,900	57	280	10,300	10,000	54.5	545
Branch	6,100	5,900	49	292	8,300	8,100	53.5	434
Calhoun	9,400	9,100	49	445	11,000	10,900	56.5	614
Clinton	21,500	20,600	63	1,300	26,700	26,500	70.0	1,860
Eaton	14,800	14,600	64	935	21,200	20,800	55.5	1,150
Hillsdale	13,500	12,900	54	700	16,200	16,000	64.0	1,020
Ingham	17,500	17,200	66	1,130	20,700	20,600	65.5	1,350
Ionia	10,500	10,300	62	640	14,700	14,600	64.0	938
Jackson	7,900	7,800	51	400	11,000	10,800	59.0	639
St Joseph	4,900	3,700	54	198	6,400	5,600	57.0	320
Shiawassee	26,900	26,000	62	1,600	30,500	30,100	64.0	1,930
South Central	138,000	133,000	60	7,920	177,000	174,000	62.0	10,800
Genesee	7,300	7,100	57	407	11,600	11,400	57.5	653
Lapeer	7,200	7,000	57	402	15,200	14,900	69.0	1,030
Lenawee	31,800	31,400	73	2,300	40,100	40,000	75.5	3,010
Livingston	7,400	7,300	55	398	9,100	9,000	56.0	504
Macomb	2,500	2,300	57	132	6,300	6,200	65.5	406
Monroe	22,000	21,300	71	1,520	27,600	27,500	70.0	1,920
Oakland					1,400	1,400	61.5	86
St Clair	5,100	4,300	66	285	19,600	19,500	72.5	1,410
Washtenaw	12,300	11,900	59	708	16,600	16,600	61.0	1,010
Wayne					500	500	42.0	21
Other counties ²	1,400	1,400	56	78				
Southeast	97,000	94,000	66	6,230	148,000	147,000	68.5	10,050
Michigan	550,000	530,000	65	34,450	730,000	710,000	69.0	48,990

¹ Estimates not published for counties with less than 500 acres.

² Estimates not published separately because of insufficient data or to avoid disclosure of individual operations.

Cropland and Pasture Cash Rents 2008

County and district	Non-irrigated	Irrigated	Pasture	County and district	Non-irrigated	Irrigated	Pasture
	<i>Dollars per acre</i>	<i>Dollars per acre</i>	<i>Dollars per acre</i>		<i>Dollars per acre</i>	<i>Dollars per acre</i>	<i>Dollars per acre</i>
Chippewa	17.50			Allegan	84.00		
Delta	20.00			Berrien	75.50		
Menominee	24.00			Cass	70.00		
Other counties ¹	19.50			Kalamazoo	77.50		
Upper Peninsula	20.00			Kent	73.50		
Missaukee	37.00			Ottawa	79.50		
Other counties ¹	29.50			Van Buren	77.50		
Northwest	31.00			Other counties ¹		117.00	46.00
				Southwest	77.50	117.00	46.00
Alpena	24.50			Barry	76.50		
Ogemaw	28.50			Branch	75.00		
Presque Isle	30.00			Calhoun	63.00		
Other counties ¹	20.00			Clinton	93.50		
Northeast	24.00			Eaton	78.50		
Muskegon	69.50			Hillsdale	77.00		
Newaygo	50.00			Ingham	69.50		
Oceana	57.00			Ionia	88.00		
Other counties ¹	33.00			Jackson	58.50		
West Central	52.00			St Joseph	86.50	196.00	
				Shiawassee	68.50		
Clare	43.00			Other counties ¹		142.00	45.00
Gladwin	45.00			South Central	77.00	147.00	45.00
Gratiot	99.50						
Isabella	62.00			Genesee	55.50		
Mecosta	37.50			Lapeer	51.50		
Midland	85.50			Lenawee	105.00		
Montcalm	57.50			Livingston	47.50		
Osceola	35.00			Macomb	48.50		
Other counties ¹			32.00	Monroe	95.00		
Central	67.50		32.00	St Clair	55.00		
				Washtenaw	63.50		
Arenac	67.50			Other counties ¹	69.50		42.00
Bay	102.00			Southeast	75.00		42.00
Huron	122.00						
Saginaw	101.00			Other Districts ¹		110.00	26.00
Sanilac	66.00						
Tuscola	106.00			Michigan	75.00	120.00	37.00
East Central	97.50						

¹ Not published separately because of insufficient data or to avoid disclosure of individual operations.

Cattle: January 1, by county, 2008-2009 ¹

County and district	All cattle and calves		Milk cows		County and district	All cattle and calves		Milk cows	
	2008	2009	2008	2009		2008	2009	2008	2009
	<i>Head</i>	<i>Head</i>	<i>Head</i>	<i>Head</i>		<i>Head</i>	<i>Head</i>	<i>Head</i>	<i>Head</i>
Alger	1,800	1,700		500	Arenac	7,100	7,000	2,800	2,900
Baraga	1,500	1,100			Bay	5,000	4,500	1,800	1,600
Chippewa	8,600	8,700	1,100	1,100	Huron	105,500	105,000	27,500	31,200
Delta	8,200	8,100	1,700	1,700	Saginaw	9,400	9,000	2,500	2,300
Dickinson	2,800	2,600	550	600	Sanilac	54,000	50,500	21,500	21,600
Houghton	1,000	1,100			Tuscola	20,000	19,000	4,400	4,900
Iron	1,800	1,600			East Central	201,000	195,000	60,500	64,500
Mackinac	2,800	2,400	800	900	Allegan	50,800	50,800	19,000	22,600
Marquette	2,100	2,000		700	Berrien	4,600	4,900	1,400	1,500
Menominee	17,400	17,000	7,000	6,900	Cass	6,000	6,000	500	500
Ontonagon	2,700	2,500			Kalamazoo	11,200	12,000		
Schoolcraft	1,300	1,200			Kent	30,000	29,000	10,100	7,700
Other counties ²	1,000	1,000	1,850	600	Ottawa	42,200	42,500	12,100	12,400
Upper Peninsula	53,000	51,000	13,000	13,000	Van Buren	10,200	9,800		
Antrim	4,300	4,100	600	500	Other counties ²			9,900	10,300
Benzie	1,500	1,400			Southwest	155,000	155,000	53,000	55,000
Charlevoix	3,400	3,600	600	600	Barry	26,000	27,000	11,000	11,700
Emmet	5,000	5,000	600	600	Branch	12,000	12,000	3,200	3,600
Grand Traverse	4,700	4,100			Calhoun	14,000	14,000	3,700	4,300
Kalkaska	1,100	1,100			Clinton	47,000	46,000	22,500	23,500
Leelanau	3,000	3,000			Eaton	9,000	9,500	1,800	
Manistee	2,600	2,500			Hillsdale	21,800	25,000	10,200	11,400
Missaukee	27,500	27,500	12,800	13,300	Ingham	18,000	18,500	5,400	6,000
Wexford	3,900	4,700	500	700	Ionia	43,000	45,000	17,000	16,000
Other counties ²			900	800	Jackson	19,700	19,000	3,400	3,900
Northwest	57,000	57,000	16,000	16,500	St Joseph	10,500	10,000	4,800	
Alcona	5,500	6,000	1,400	1,500	Shiawassee	15,000	16,000	6,000	2,900
Alpena	9,800	8,900	3,500	3,300	Other counties ²				6,700
Cheboygan	5,700	6,100	1,100	1,000	South Central	236,000	242,000	89,000	90,000
Iosco	7,800	9,200	2,000	2,100	Genesee	7,500	7,500	1,500	1,500
Montmorency	3,000	3,400	600	600	Lapeer	17,000	17,000	3,300	3,600
Ogemaw	13,700	15,000	5,800	5,800	Lenawee	29,000	32,000	10,500	10,900
Oscoda	3,300	3,400			Livingston	9,000	9,000	2,900	2,900
Otsego	2,300	2,200			Macomb	3,800	3,500	700	700
Presque Isle	6,300	6,200	1,300	1,400	Monroe	4,000	4,000		
Other counties ²	600	600	800	800	Oakland		1,500		
Northeast	58,000	61,000	16,500	16,500	St Clair	11,000	11,000	1,200	1,300
Lake	1,900	2,000			Washtenaw	12,000	12,000	2,700	2,900
Mason	8,700	8,200	2,300	2,300	Wayne		500		
Muskegon	18,300	20,000			Other counties ²	1,700		700	700
Newaygo	25,000	23,000	12,900	13,400	Southeast	95,000	98,000	23,500	24,500
Oceana	8,100	7,800	2,400	3,100					
Other counties ²			6,400	6,200	Michigan	1,070,000	1,070,000	344,000	353,000
West Central	62,000	61,000	24,000	25,000					
Clare	12,000	11,000	2,500	2,500					
Gladwin	7,000	7,000							
Gratiot	36,000	35,500	13,700	12,900					
Isabella	29,000	30,000	6,700	7,500					
Mecosta	15,000	13,500	4,600	4,500					
Midland	6,800	6,000							
Montcalm	27,200	26,000	10,000	9,400					
Osceola	20,000	21,000	5,600	5,900					
Other counties ²			5,400	5,300					
Central	153,000	150,000	48,500	48,000					

¹ Estimates are not published for counties with less than 500 head.

² Not published separately because of insufficient data or to avoid disclosure of individual operations.

Useful Agriculture Internet Sites

State and Federal Agencies

AMS-Agricultural Marketing Service, Market News	www.ams.usda.gov/AMSV1.0/marketnews
APHIS-Animal and Plant Health Inspection Service	www.aphis.usda.gov
ERS-Economic Research Service	www.ers.usda.gov
FSA-Farm Service Agency	www.fsa.usda.gov
MDA-Michigan Department of Agriculture	www.michigan.gov/mda
MSU Extension	www.msue.msu.edu
NASS-National Agricultural Statistics Service	www.nass.usda.gov
NRCS-Natural Resources Conservation Service	www.nrcs.usda.gov
RD-Rural Development	www.rurdev.usda.gov
USDA-United States Department of Agriculture	www.usda.gov
USDA, NASS, Michigan Field Office	www.nass.usda.gov

Commodity Groups

Apples-Michigan Apple Committee	www.michiganapples.com
Asparagus-Michigan Asparagus Advisory Board	www.asparagus.com
Bison-Michigan Bison Association	www.michiganbison.com
Blueberries-Michigan Blueberry Growers (MBG) Marketing	www.blueberries.com
Cattle-Michigan Beef Industry Commission	www.mibeeff.org
Celery-Michigan Celery Promotion Cooperative, Inc.	www.michigancelery.com
Cherries-Cherry Industry Administrative Board (CIAB)	www.cherryboard.org
Cherries-Cherry Marketing Institute	www.choosecherries.com
Christmas Trees-Michigan Christmas Tree Association	www.mcta.org
Corn-Michigan Corn Growers Association	www.micorn.org
Dairy-Michigan Milk Producers Association	www.mimilk.com
Dairy-United Dairy Industry of MI	www.udim.org
Dry Beans-Michigan Bean Commission	www.michiganbean.org
Dry Beans-Michigan Agri-Business Association (MABA)	www.miagbiz.org
Floriculture-Michigan Floral Association	www.michiganfloral.org
Grapes-Michigan Grape and Wine Industry Council	www.michiganwines.com
Horses-Michigan Horse Council	www.michiganhorsecouncil.com
Nursery-Michigan Nursery & Landscape Association (MNLA)	www.mnla.org
Peaches-Michigan Peach Sponsors	www.michiganpeach.org
Pork-National Pork Producers Council (NPPC)	www.nppc.org
Potatoes-Michigan Potato Industry Commission	www.mipotato.com
Soybeans-Michigan Soybean Promotion Committee (MSPC)	www.michigansoybean.org
Turfgrass-Michigan Turfgrass Foundation (MTF)	www.michiganturfgrass.org
Turkeys-Michigan Turkey Producers Co-op, Inc.	www.miturkey.com

Other Related Sites

American Farm Bureau Federation	www.fb.org
GreenStone Farm Credit Services	www.greenstonefcs.com
Michigan Farm Bureau	www.michiganfarmbureau.com
Michigan Food and Farming Systems-MIFFS	www.miffs.org
Michigan Market Maker	www.mimarketmaker.msu.edu
MSU Agriculture Weather Office	www.agweather.geo.msu.edu

INTERNET ACCESS

Reports, data products, and services published by the USDA, NASS, Michigan Field Office, Michigan Department of Agriculture, and National Agricultural Statistics Service of the United States Department of Agriculture are available on the Worldwide Web. There is no charge for connecting to these Internet addresses:

- **Michigan Department of Agriculture (MDA)**

MDA home page at: www.michigan.gov/mda

- **USDA, NASS, Michigan Field Office**

From the NASS home page, www.nass.usda.gov, click on the Statistics by State dropdown to access the Michigan Internet page.

On the Michigan Internet page, you will find up-to-date data such as Crop-Weather releases, News releases, *Agriculture Across Michigan*, and county estimates.

- **National Agricultural Statistics Service (NASS)**

NASS home page at: www.nass.usda.gov

You can access national releases, 2007 Census of Agriculture data, and home pages of **NASS** Field Offices including Michigan from this web site. *Michigan Crop Weather* and national releases by free e-mail subscription are available from this site.

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